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Introduction

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This Owner's Manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

You must always comply with the specific laws and regulations of the country that you are in. These laws may differ from the information in this Owner's Manual.

When this Owner's Manual refers to a workshop visit, we recommend your Chevrolet Service Partner.

All Chevrolet Service Partners provide first-class service at reasonable prices. Experienced mechanics trained by Chevrolet work according to specific Chevrolet instructions.

The customer literature pack should always be kept ready to hand in the vehicle.

Using this manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, country specifications, special equipment or accessories.**
- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each section shows where the information is located.
- The index will enable you to search for specific information.
- The Owner's Manual uses the factory engine designations. The corresponding sales designations can be found in the section "Technical data".
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- The vehicle display screens may not support your specific language.

Danger, Warnings and Cautions

⚠Danger

Text marked ⚠**Danger** provides information on risk of fatal injury. Disregarding this information may endanger life.

⚠Warning

Text marked ⚠**Warning** provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution
Text marked **Caution** provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

We wish you many hours of pleasurable driving

Chevrolet

In brief

Initial drive information

Vehicle unlocking

Radio remote control

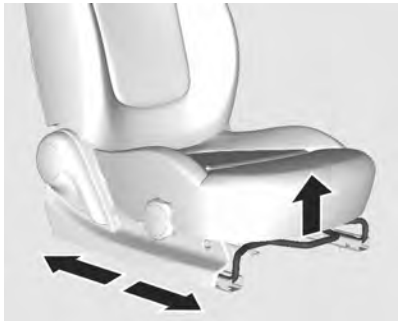
Press button.

Unlocks all doors. The hazard warning flashers will flash twice.

Radio remote control ⇨ 18, Central locking system ⇨ 20.

Seat adjustment

Seat positioning



Pull handle, slide seat, release handle.

Seat position ⇨ 30, Seat adjustment ⇨ 31.

Seat backrests

Pull lever, adjust inclination and release lever. Allow the seat to engage audibly.

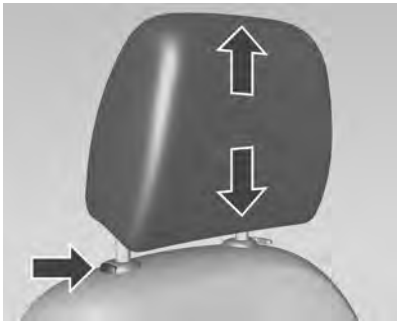
Seat position ⇨ 30, Seat adjustment ⇨ 31.

Seat height

Turn the handwheel on the outside of the seat cushion until the seat cushion is adjusted to the desired position.

Seat position ⇨ 30, Seat adjustment ⇨ 31.

Head restraint adjustment



Pull the head restraint upwards.

To move down press the catch and push the head restraint downwards.

Head restraints ⇨ 29.

Seat belt

Withdraw belt from reel, guide it untwisted across the body and engage the latch plate in the buckle.

Tension the lap belt regularly whilst driving by tugging the shoulder belt.

Seat position ⇨ 30, Seat belts ⇨ 32, Airbag system ⇨ 35.

Mirror adjustment

Interior mirror

To reduce dazzle, pull the lever on the underside of the mirror housing.

Interior mirror ⇨ 25.

Exterior mirrors

Simply move the adjusting lever in the desired direction to adjust the mirror angles.

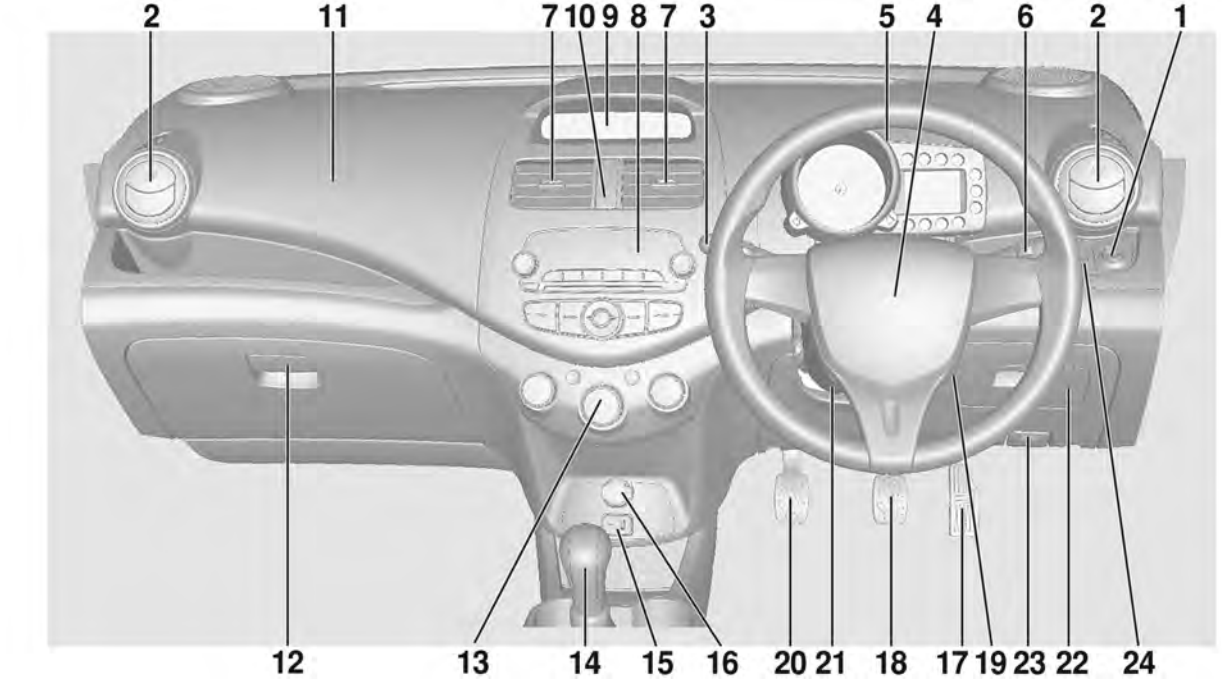
Convex exterior mirrors ⇨ 24, Electric adjustment ⇨ 24, Folding exterior mirrors ⇨ 24, Heated exterior mirrors ⇨ 25.

Steering wheel adjustment

Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked. Do not adjust steering wheel unless vehicle is stationary.

Airbag system ⇨ 35, Ignition positions ⇨ 127.

Instrument panel overview



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Exterior lighting

Turn light switch

OFF = All the lights are off.

⇉≪ = The tail lights, number plate lights, and instrument panel lights are illuminated.

≡D = The low beam headlights and all of the above lights are illuminated.

Lighting ⇨ 71.

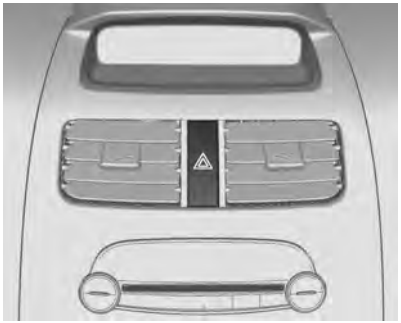
Headlight flash, high beam and low beam

To switch from low to high beam, push lever.

To switch to low beam, push lever again or pull.

High beam ⇨ 71, Headlight flash ⇨ 72.

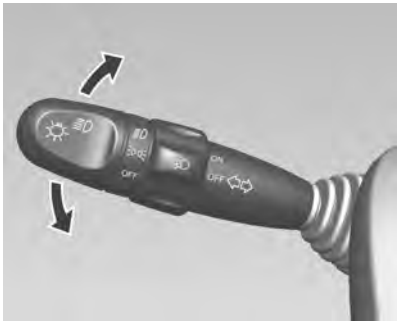
Hazard warning flashers



Operated with the ⚠ button.

Hazard warning flashers ⇨ 73.

Turn and lane-change signals



lever up = right
lever down = left

Turn and lane-change signals ⇨ 73.

Horn

Press .

Washer and wiper systems

Windscreen wiper

OFF = System off.
INT = Intermittent operation.
LO = Continuous wipe, slow speed.
HI = Continuous wipe, fast speed.

For a single wipe when the windscreen wiper is off, lightly move the lever toward the **INT** position and release it.

Windscreen wiper ⇨ 55.

Windscreen washer system

Pull lever.

Windscreen washer ⇨ 55, Washer fluid ⇨ 152.

Climate control

Heated rear window, heated exterior mirrors

Type 1

Type 2

Heating is operated by pressing the button.

Heated mirrors ⇨ 25, Heated rear window ⇨ 27.

Demisting and defrosting the windows

Type 1

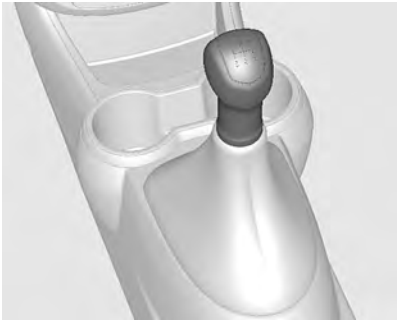
Type 2

Turn knob to ⛐.

Defrosting the windscreen ⇨ 115, Demisting the windscreen ⇨ 118.

Transmission

Manual transmission

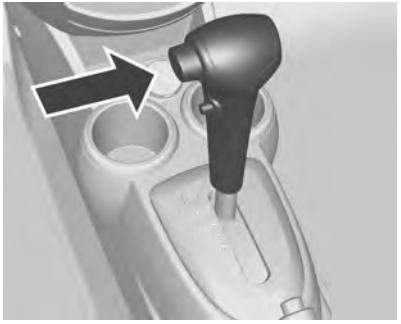


Reverse: with the vehicle stationary, depress the clutch pedal and engage the gear.

If the gear does not engage, set the lever in neutral, release the clutch pedal and depress again; then repeat gear selection.

Manual transmission ⇨ 133.

Automatic transmission



P (PARK): Locks the front wheels. Select P only when the vehicle is stationary and the parking brake is applied.

R (REVERSE): Select R only when the vehicle is stationary.

N (NEUTRAL): Neutral gear position.

D: This drive position is for all normal driving conditions. It allows the transmission to shift into all four forward gears. Fourth gear is overdrive which reduces engine speed and noise level while increasing fuel economy.

2: Allows the transmission to shift from 1st to 2nd gear and prevents automatic shifting into 3rd or 4th gear.

1: This position locks the transmission in first gear.

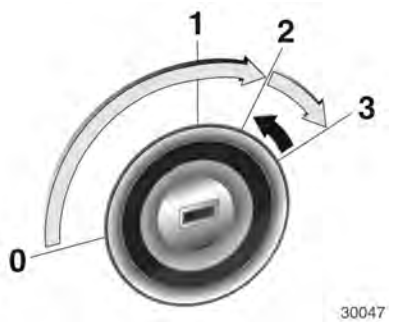
Automatic transmission ⇨ 129.

Starting off

Check before starting off

- Tyre pressure and condition.
- Engine oil level and fluid levels.
- All windows, mirrors, exterior lighting and number plates are free from dirt, snow and ice and are operational.
- Proper position of mirrors, seats, and seat belts.
- Check brake function at low speed, particularly if the brakes are wet.

Starting the engine



- Turn the key to position 1, move the steering wheel slightly to release the steering wheel lock
- Manual transmission: operate clutch
- Automatic transmission : Move selector lever to P or N.
- Do not accelerate
- Turn the key to position 3, depressing the clutch pedal and footbrake then release when engine is running

Before restarting or to switch off the engine, turn key back to 0.

Parking

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply parking brake without pressing release button. Apply as firmly as possible on downhill or uphill slopes. Depress the footbrake at the same time to reduce operating force.
- Switch off the engine and ignition. Turn the steering wheel until the steering wheel lock engages.
- If the vehicle is on a level surface or uphill slope, engage first gear before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb. If the vehicle is on a downhill slope, engage reverse gear before switching off the ignition. Turn the front wheels towards the kerb.
- Close windows.
- Lock the vehicle and activate the anti-theft alarm system.

Keys ⇨ 18.

Keys, doors and windows

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Vehicle security 23
Exterior mirrors 24
Interior mirrors 25
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Keys, locks

Keys

Replacement keys

The key number is specified on a detachable tag.

The key number must be quoted when ordering replacement keys as it is a component of the immobiliser system.

Locks ⇨ 179.

Radio remote control

Used to operate the central locking system

The radio remote control has an approximate range of up to 66 ft. It can be restricted by external influences.

The hazard warning flashers confirm operation.

Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

Fault

If the central locking system cannot be operated with the radio remote control, it may be due to the following:

- Range exceeded
- Battery voltage too low
- Frequent, repeated operation of the radio remote control while not in range, which will require re-synchronisation

- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time
- Interference from higher-power radio waves from other sources

Radio remote control battery replacement

Replace the battery as soon as the range is noticeably diminished.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

Note
Use CR 1620 (or equivalent) replacement battery.

1. Remove the screw from the back of the cover.
2. Open the transmitter cover.
3. Pull the transmitter unit out of the cover and carefully detach the sticker from the unit and keep the sticker in a clean place.
4. Remove the used battery. Avoid contact between the circuit board and other components.
5. Install the new battery. Be sure the negative side (-) faces down toward the base.
6. Attach the sticker and put the transmitter unit in the cover.
7. Assemble the transmitter cover.
8. Check the operation of the transmitter with your vehicle.

Caution
Avoid touching the flat surfaces of the battery with your bare fingers as it will shorten battery life.

Note
Used lithium batteries can harm the environment.

Follow local recycling laws for disposal.

Do not discard with household refuse.

Note
In order to keep the transmitter working properly, follow these guidelines:

Avoid dropping the transmitter.

Do not place heavy objects on the transmitter.

Keep the transmitter away from water and direct sunlight. If the transmitter gets wet, wipe it with a soft cloth.

Central locking system

You can activate the central door locking system from the driver's door. This system allows you to lock and unlock all the doors from the driver's door, using either the key or keyless remote (from outside) or the door lock button (from inside).

If the driver's door is not closed properly, the central locking system will not work.

Unlocking

Radio remote control

Press button.

Unlocks all doors. The hazard warning flashers will flash twice.

Locking

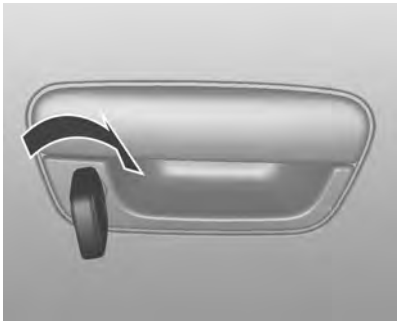
Radio remote control

Press button.

Locks all doors. Hazard warning flashers will flash once.

Fault in radio remote control system

Unlocking



Manually unlock the driver's door by turning the key in the lock.

Locking

Close the driver's door and lock it from the outside with the key.

Fault in central locking system

Unlocking

Manually unlock the driver's door by turning the key in the lock. The other doors can be opened by using the interior handle.

Locking

Push inside locking knob of all doors except driver's door. Then close the driver's door and lock it from the outside with the key.

Child locks

Caution
Do not pull the inside door handle while the child security door lock is set to LOCK position. To do so can damage the inside door handle.

⚠Warning
Use the child locks whenever children are occupying the rear seats.

To close the child security door lock, move the lever up to the lock position.

To open a rear door when the child security door lock is activated, unlock the door from the inside and open the door from the outside.

To cancel the child security door lock, move the lever down to the unlock position.

Doors

Load compartment

Tailgate, opening

Type 1

To open the tailgate, insert the key into the key slot and turn it counterclockwise and then pull the long handle.

Type 2

The tailgate is locked or unlocked when all doors are locked or unlocked with the key or keyless. When the tailgate is unlocked, pull the long handle to open it.

⚠Warning

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects, since toxic exhaust gases could enter the vehicle.

Caution

Before opening the tailgate check overhead obstructions, such as a garage door, to avoid damage of the tailgate. Always check the moving area above and behind the tailgate.

Note

The installation of certain heavy accessories onto the tailgate may affect its ability to remain open.

Tailgate, closing

Type 1

To close tailgate, push it down so it latches securely. And insert the key into the key slot and turn it clockwise.

Type 2

To close tailgate, push it down so it latches securely. It locks automatically when all doors are locked.

Make sure your hands and any other body parts, as well as those of other persons are completely away from the tailgate closure area.

Vehicle security

Immobiliser

Immobiliser indicator

If an invalid key is used, the indicator will flash and the vehicle can't be started.

Auto door lock

If the door is not opened or the position of the ignition key is not located in ACC or ON within 30 seconds after unlocking the doors using the transmitter, all doors are automatically locked.

Immobiliser

The immobiliser system provides an additional theft deterrent to the vehicle in which it is installed and prevents it from being started by unauthorised persons. The valid key for a vehicle equipped with immobiliser system is an ignition key with integrated transponder, which is electronically coded. The transponder is placed invisibly in the ignition key.

Only valid ignition keys can be used to start the engine.

Invalid keys may only open the doors.

The engine is automatically immobilised after the key is turned to LOCK and has been removed from the ignition switch.

The immobiliser indicator can be operated in the following conditions:

- If the immobiliser system has a fault (including the Auto Key Learning Mode) when the ignition switch is in ON or START position, the immobiliser indicator flashes or illuminates continuously.
- In some European countries, an auxiliary immobiliser is applicated optionally to improve the vehicle security level. If the module is replaced with a new one, the vehicle cannot be started. If the vehicle cannot be started or the immobiliser indicator flashes or illuminates, have the system checked by an authorized workshop.

Exterior mirrors

Convex shape

The convex exterior mirror reduces blind spots. The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.

Manual adjustment

Adjust the outside rearview mirrors so you can see each side of your vehicle, as well as each side of the road behind you.

Simply move the adjusting lever in the desired direction to adjust the mirror angles.

Electric adjustment

Select the relevant exterior mirror by turning the control to left **(L)** or right **(R)**. Then swivel the control to adjust the mirror.

Folding

For pedestrian safety, the exterior mirrors will swing out of their normal mounting position if they are struck with sufficient force. Reposition the mirror by applying slight pressure to the mirror housing.

⚠Warning

Always keep your mirrors properly adjusted, and use them while driving to increase your visibility of objects and other vehicles around

you. Do not drive while either outside rearview mirror is folded back.

Heated

Type 1

Type 2

Operated by pressing the button.

Heating works with the engine running and is switched off automatically after a few minutes or by pressing the button again.

Interior mirrors

Manual anti-dazzle

To reduce dazzle, adjust the lever on the underside of the mirror housing.

⚠Warning

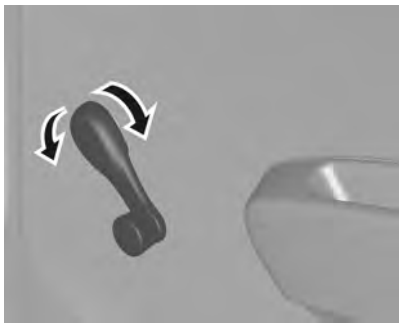
Your view through the mirror may lose some clarity when it is adjusted for night vision.

Take special care with using your inside rearview mirror when it is adjusted for night vision.

Failure to ensure a clear rear view while driving may result in a collision causing damage to your vehicle or other property and/or personal injury.

Windows

Manual windows



The door windows can be opened or closed with the window winders.

Power windows

⚠Warning

Take care when operating the power windows. Risk of injury, particularly to children.

If there are children on the rear seats, switch on the child safety system for the power windows.

Keep a close watch on the windows when closing them. Ensure that nothing becomes trapped in them as they move.

Power windows can be operated with ignition on.

Operate the switch for the respective window by pushing to open or pulling to close.

Operation

You may operate the power windows when the ignition switch is ON by using the power window switches on each door panel.

To raise the window pull up the switch.

To lower the window press down the switch.

Release the switch when the window reaches the desired position.

⚠Warning

Body parts outside the vehicle can be struck by passing objects. Keep all parts of body inside vehicle.

Children can operate and become entrapped in power windows.

Do not leave your keys or unattended children in your car.

Serious injury or death can occur from misuse of power windows.

Child safety system for rear windows

Press switch to deactivate rear door power windows. To activate press again.

Heated rear window

Type 1

Type 2

Operated by pressing the button.

Heating works with the engine running and is switched off automatically after a few minutes or by pressing the button again.

Caution

Do not use sharp instruments or abrasive window cleaners on your vehicle's rear window.

Do not scratch or damage the defroster wires when you clean or work around the rear window.

Sun visors

The sun visors can be folded down or swivelled to the side to prevent dazzling.

If the sun visors have integral mirrors, the mirror covers should be closed when driving.

⚠Warning

Do not place the sun visor in such a manner that it obscures visibility of the roadway, traffic or other objects.

Seats, restraints

Head restraints 29
Front seats 30
Seat belts 32
Airbag system 35
Child restraints 40

Head restraints

Position

⚠Warning

Only drive with the head restraint set to the proper position.

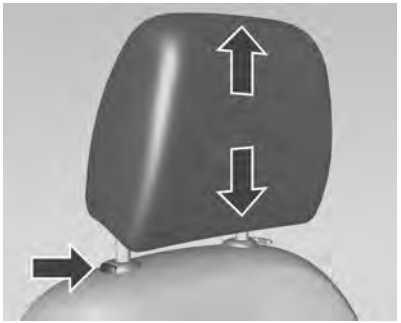
Removed or improperly adjusted head restraints can result in serious head and neck injuries in case of a collision.

Make sure that the head restraint are readjusted before driving.

The upper edge of the head restraint should be at upper head level. If this is not possible for extremely tall people, set to highest position, and set to lowest position for small people.

Head restraints on front seats

Height adjustment



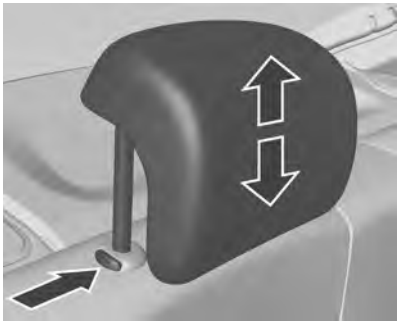
Pull the head restraint upwards. To move down press the catch and push the head restraint downwards.

Removing

Press the catches and pull up the head restraint.

Head restraints on rear seats

Height adjustment



Pull the head restraint upwards. To move down press the catch and push the head restraint downwards.

Removing

Press the catches and pull up the head restraint.

Front seats

Seat position

⚠ Warning

Only drive with the seat correctly adjusted.

- Sit with buttocks as far back against the backrest as possible. Adjust the distance between the seat and the pedals so that legs are slightly angled when pressing the pedals. Slide the front passenger seat as far back as possible.
- Sit with shoulders as far back against the backrest as possible. Set the backrest rake so that it is possible to easily reach the steering wheel with arms slightly bent. Maintain contact between shoulders and the backrest when turning the steering wheel. Do not angle the backrest too far back. We recommend a maximum rake of approx. 25°.
- Adjust the steering wheel ⇨ 54.
- Set seat height high enough to have a clear field of vision on all sides and of all display instruments. There should be at least one hand of clearance between head and the roof frame. Your thighs should rest lightly on the seat without pressing into it.
- Adjust the head restraint ⇨ 29.
- Adjust the height of the seat belt ⇨ 33.

Seat adjustment

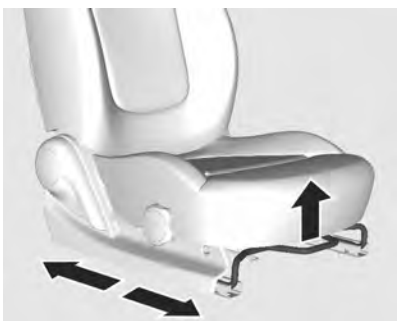
⚠Danger

Do not sit nearer than 10 inches to the steering wheel, to permit safe airbag deployment.

⚠Warning

Never adjust seats while driving as they could move uncontrollably.

Seat positioning



Pull handle, slide seat, release handle.

Seat backrests

Pull lever, adjust inclination and release lever. Allow the seat to engage audibly.

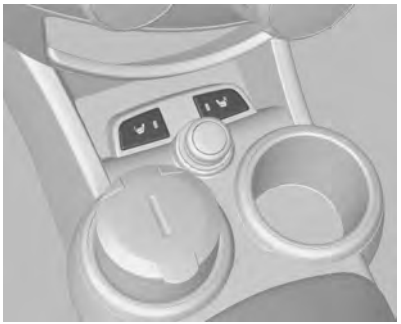
Do not lean on seat when adjusting.

Seat height

Turn the handwheel on the outside of the seat cushion until the seat cushion is adjusted to the desired position.

Heating

Type 1



Type 2

The seat heater buttons are located in the front console.

To warm the seat:

1. Turn the ignition key on.
2. Press the seat heating button for the seat that you want to warm. The indicator in the button will illuminate.
3. To turn off the seat heater, press the button again.

Prolonged use of the highest setting for people with sensitive skin is not recommended.

Seat heating is operational when engine is running.

Seat belts

The belts are locked during heavy acceleration or deceleration of the vehicle for the safety of the occupants.

⚠ Warning

Fasten seat belt before each trip.

In the event of an accident, people not wearing seat belts endanger their fellow occupants and themselves.

Seat belts are designed to be used by only one person at a time. They are not suitable for people smaller than 5 ft. Child restraint system ⇨ 40.

Periodically check all parts of the belt system for damage and proper functionality.

Have damaged components replaced. After an accident, have the belts and triggered belt pretensioners replaced by a workshop.

Note
Make sure that the belts are not damaged by shoes or sharp-edged objects or trapped. Prevent dirt from getting into the belt retractors.

Seat belt reminder ⇨ 63.

Belt force limiters

On the front seats, stress on the body is reduced by the gradual release of the belt during a collision.

Belt pretensioners

In the event of a head-on or side or rear-end collision of a certain severity, the front seat belts are tightened.

⚠Warning

Incorrect handling (e.g. removal or fitting of belts) can trigger the belt tensioners with risk of injury.

Deployment of the belt pretensioners is indicated by illumination of control indicator ⇨ 64.

Triggered belt pretensioners must be replaced by a workshop. Belt pretensioners can only be triggered once.

Note
Do not affix or install accessories or other objects that may interfere with the operation of the belt pretensioners. Do not make any modifications to belt pretensioner components as this will invalidate the vehicle type approval.

Three-point seat belt

Fastening

Withdraw the belt from the retractor, guide it untwisted across the body and insert the latch plate into the buckle.

Tighten the lap belt regularly whilst driving by pulling the shoulder belt. Seat belt reminder ⇨ 63.

Loose or bulky clothing prevents the belt from fitting snugly. Do not place objects such as handbags or mobile phones between the belt and your body.

⚠Warning

The belt must not rest against hard or fragile objects in the pockets of your clothing.

Height adjustment

1. Press button.
2. Adjust height and engage.

Adjust the height so that the belt lies across the shoulder. It must not lie across the throat or upper arm.

Do not adjust while driving.

Removing

To release belt, press red button on belt buckle.

Seat belts on the rear seats

The seat belt for the rear centre seat can only be withdrawn from the retractor if the backrest is in the rear position.

Seat belt use during pregnancy

⚠Warning

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

Seat belts work for everyone, including pregnant women.

Like all occupants, pregnant women are more likely to be seriously injured if they do not wear seat belts.

In addition, when a seat belt is worn properly, it is more likely that the unborn child will be safe in a crash.

To provide maximum protection, a pregnant woman should wear a three-point seat belt.

She should wear the lap portion of the belt as low as possible throughout her pregnancy.

Airbag system

The airbag system consists of a number of individual systems.

When triggered the airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

⚠Warning

If handled improperly the airbag systems can be triggered in an explosive manner.

The driver should sit back as far as possible while still maintaining control of the vehicle. If you are sitting too close to the airbag, it can cause death or serious injury when it inflates.

For maximum safety protection in all types of crashes, all occupants including the driver should always wear their seat belts to minimise the risk of severe injury or death in the event of a crash. Do not sit or

lean unnecessarily close to the airbag while the vehicle is in motion.

The airbag may cause facial or body scratch, injury by broken glasses or getting burnt by explosion while airbag is deployed.

Note

The airbag systems and belt tensioner control electronics are located in the centre console area. Do not put any magnetic objects in this area.

Do not stick anything on the airbag covers and do not cover them with other materials.

Each airbag is triggered only once. Have deployed airbags replaced by a workshop.

Do not make any modifications to the airbag system as this will invalidate the vehicle type approval.

In the event of airbag deployment have the steering wheel, the instrument panel, all panelling parts, the door seals, the handles and the seats replaced by a workshop.

When an airbag deploys, there may be a loud noise and smoke. These conditions are normal and are not dangerous but it may irritate the skin of the occupant. If the irritation is persistent, contact a doctor.

⚠ Danger

Never allow children or infants and pregnant women and the old and the weak sit in the front passenger seats fitted with airbags.

Furthermore, do not drive with a baby seat fitted thereon. In case of an accident, the impact from the inflated airbag can cause facial injury or death.

Caution

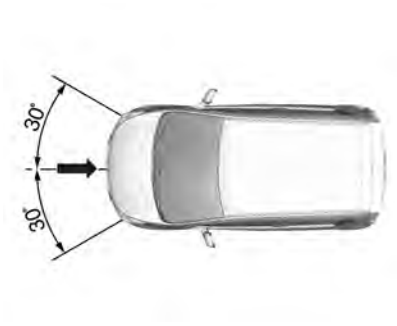
If the vehicle is impacted by bumps or objects on unpaved roads or sidewalks, the airbags may inflate. Drive slowly on surfaces not designed for vehicle traffic to prevent unintended airbag deployment.

When the airbags inflate, escaping hot gases may cause burns.

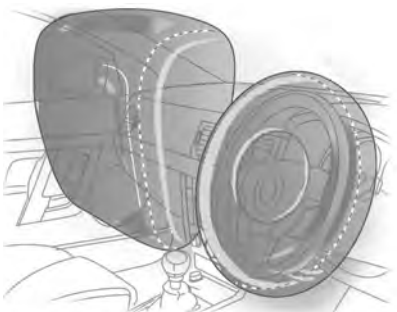
Control indicator for airbag systems ⇨ 64.

Front airbag system

The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the front passenger side. These can be identified by the word **AIRBAG**.



The front airbag system is triggered in the event of an accident of a certain severity in the depicted area. The ignition must be on.



The forward movement of the front seat occupants is retarded, thereby considerably reducing the risk of injury to the upper body and head.

⚠Warning

Optimum protection is only provided when the seat is in the proper position ⇨ 30.

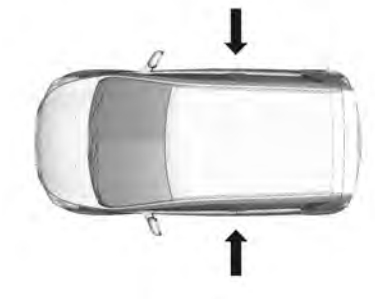
Keep the area in which the airbag inflates clear of obstructions.

Fit the seat belt correctly and engage securely. Only then the airbag is able to protect.

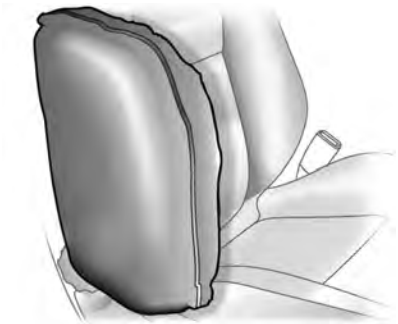
Side airbag system

The side airbag system consists of an airbag in each front seat backrest.

This can be identified by the word **AIRBAG**.



The side airbag system is triggered in the event of an accident of a certain severity. The ignition must be on.



The risk of injury to the upper body and pelvis in the event of a side-on collision is considerably reduced.

⚠Warning

Keep the area in which the airbag inflates clear of obstructions.

Note

Only use protective seat covers that have been approved for the vehicle. Be careful not to cover the airbags.

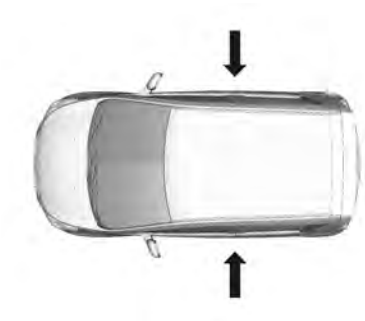
⚠Warning

Children who are seated in close proximity to a side airbag may be at risk of serious or fatal injury if the airbag deploys, especially if the child's head, neck, or chest is close to the airbag at the time of deployment.

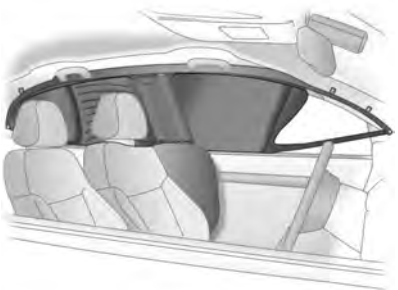
Never let your child lean on the door or close to the side airbag module.

Curtain airbag system

The curtain airbag system consists of an airbag in the roof frame on each side. This can be identified by the word **AIRBAG** on the roof pillars.



The curtain airbag system is triggered in the event of an accident of a certain severity. The ignition must be on.



The risk of injury to the head in the event of a side impact is considerably reduced.

⚠Warning

Keep the area in which the airbag inflates clear of obstructions.

The hooks on the handles in the roof frame are only suitable for hanging up light articles of clothing, without coat hangers. Do not keep any items in these clothes.

Airbag deactivation

The front passenger airbag system has to be deactivated if a child restraint system is to be fitted on this seat. The side airbag and curtain airbag systems, the belt tensioners and all driver airbag systems will remain active.

Front passenger airbag system can be deactivated via a lock on the side of the instrument panel, visible when the front passenger door is open.

⚠Warning

Deactivate front passenger airbag system when the front passenger seat is occupied by a child.

Activate front passenger airbag system when an adult is on the front passenger seat.

Use the ignition key to choose the position:

OFF off = front passenger airbag are deactivated and will not inflate in the event of a collision. Control indicator OFF off illuminates continuously. A child restraint system can be installed in accordance with the chart.

ON on = front passenger airbag are active. No child restraint system may be installed.

As long as the control indicator OFF off is not illuminated, the front passenger airbag system will inflate in the event of a collision.

Change status only when the vehicle is stopped with the ignition off.

Status remains until the next change.

Control indicator for airbag deactivation ⇨ 64.

Child restraints

Child restraint systems

We recommend the GM child restraint system which is geared specifically to the vehicle.

When a child restraint system is being used, pay attention to the following usage and installation instructions and also those supplied with the child restraint system.

Always comply with local or national regulations. In some countries, the use of child restraint systems is forbidden on certain seats.

⚠ Warning

WARNING–EXTREME HAZARD

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it.

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

⚠ Warning

When using a child restraint system on the front passenger's seat, the airbag systems for the front passenger's seat must be deactivated; if not, the triggering of the airbags poses a risk of fatal injury to the child.

This is especially the case if rear-facing child restraint systems are used on the front passenger's seat.

Airbag deactivation ⇨ 39.

Selecting the right system

Children should travel facing rearwards in the vehicle as long as possible. This makes sure that the child's backbone, which is still very weak, is under less strain in the event of an accident.

Children under the age of 12 years that are smaller than 5 ft are only allowed to travel in a restraint system that is suitable for the child. Suitable are restraint systems that comply with ECE 44-03 or ECE 44-04. Since a proper position of the belt is rarely possible with a child that is smaller than 5 ft, we strongly advise to use an appropriate child restraint system, even though this might due to the age of the child no longer be legally binding.

Check local laws and regulations for mandatory use of child restraint systems.

Never carry a child whilst travelling in the vehicle. The child will become too heavy to hold in the event of a collision.

When transporting children, use the child restraint systems suitable for the child's weight.

Ensure that the child restraint system to be installed is compatible with the vehicle type.

Ensure that the mounting location of the child restraint system within the vehicle is correct.

Allow children to enter and exit the vehicle only on the side facing away from the traffic.

When the child restraint system is not in use, secure the seat with a seat belt or remove it from the vehicle.

Note

Do not stick anything on the child restraint systems and do not cover them with any other materials.

A child restraint system which has been subjected to stress in an accident must be replaced.

Please ensure that infants and children are seated in the rear seats using child restraints.

Until the children can use seat belts, please select a child restraint suitable for its age and make sure the child wears it. Please see the instructions on the relevant products for child restraints.

Child restraint installation locations

Permissible options for fitting a child restraint system

Weight and age class	On front passenger seat activated airbag	On front passenger seat deactivated airbag	On rear outboard seats	On rear centre seat
Group 0: up to 10 kg or approx. 10 months	X	U[1]	U[2]	U
Group 0+: up to 13 kg or approx. 2 years	X	U[1]	U[2]	U
Group I: 9 to 18 kg or approx. 8 months to 4 years	X	U[1]	U[2]	U
Group II: 15 to 25 kg or approx. 3 to 7 years	X	X	U	U
Group III: 22 to 36 kg or approx. 6 to 12 years	X	X	U	U

[1] = Only if front passenger seat airbag systems are deactivated. If the child restraint system is being secured using a three-point seat belt, ensure that the vehicle seat belt runs forwards from the upper anchorage point.
[2] = Seat available with ISOFIX and Top-Tether mounting brackets.
U = Universal suitability in conjunction with three-point seat belt.
X = No child restraint system permitted in this weight class.

Permissible options for fitting an ISOFIX child restraint system

Weight class	Size class	Fixture	On front passenger seat	On rear outboard seats	On rear centre seat
Group 0: up to 10 kg	E	ISO/R1	X	IL[1)]	X
Group 0+: up to 13 kg	E	ISO/R1	X	IL[1)]	X
	D	ISO/R2	X	IL[1)]	X
	C	ISO/R3	X	IL[1)]	X
Group I: 9 to 18 kg	D	ISO/R2	X	IL[1)]	X
	C	ISO/R3	X	IL[1)]	X
	B	ISO/F2	X	IL, IUF	X
	B1	ISO/F2X	X	IL, IUF	X
	A	ISO/F3	X	IL, IUF	X

IL = Suitable for particular ISOFIX restraint systems of the 'specific-vehicle', 'restricted' or 'semi-universal' categories. The ISOFIX restraint system must be approved for the specific vehicle type.
IUF = Suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this weight class.
X = No ISOFIX child restraint system approved in this weight class.

[1)] Move front seat to most forward position or move forward until child restraint system does not have any interference with front seat backrest.

ISOFIX size class and seat device

A – ISO/F3 = Forward-facing child restraint system for children of maximum size in the weight class 9 to 18 kg.
B – ISO/F2 = Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.
B1 – ISO/F2X = Forward-facing child restraint system for smaller children in the weight class 9 to 18 kg.
C – ISO/R3 = Rear-facing child restraint system for children of maximum size in the weight class up to 13 kg.
D – ISO/R2 = Rear-facing child restraint system for smaller children in the weight class up to 13 kg.
E – ISO/R1 = Rear-facing child restraint system for young children in the weight class up to 13 kg.

ISOFIX child restraint systems

In the past, child restraints have been attached to a vehicle's seat by seat belts. As a result, child restraints were often installed incorrectly or too loosely to adequately protect your child.

We now equip your vehicle with ISOFIX low anchorages at the two rear outboard seating positions and with Top-tether anchorages at both sides of the rear tail member in the load compartment, allowing child restraints to be attached to the rear seats.

To install a child restraint which comes equipped with ISOFIX low and Top-tether anchorage attachments, follow the instructions supplied with your child restraint.

Please take the time to carefully read and follow all of the instructions on the following pages and the instructions supplied with your child restraint.

Your child's safety depends on it!

If you have questions, or any doubts whether you have installed your child restraint properly, contact the child restraint manufacturer. If you are still having trouble installing the child restraint in your vehicle, we recommend that you consult your authorized workshop.

Installation of ISOFIX child restraint systems:

1. Select one of the rear outboard seating positions for installation of the child restraint.

2. Locate the two lower anchor positions. The location of each lower anchor is identified with a circular marking on the lower edge of the rear seat backrest.
3. Make sure there are no foreign objects around lower anchors, including seat belt buckles or seat belts. Foreign objects can interfere with the proper latching of the child restraint to the anchors.

4. Place the child restraint on the seat over the two lower anchors and attach it to the anchors following the instructions supplied with the child restraint.
5. Adjust and tighten the child restraint according to the instructions supplied with the child restraint.

Caution

Unused child restraint system could move forward.

Remove child restraint system if not in use, or secure it with the seat belt.

Note

Since a seat belt or child restraint system can become very hot if it is left in a closed vehicle, be sure and check the seat cover and buckles before placing a child there.

⚠Warning

Use all ISOFIX low and Top-tether anchorages for their designed purpose only.

ISOFIX low and Top-tether anchorages are designed only to hold child restraints which come equipped with low and top anchorage attachments.

Do not use ISOFIX low and Top-tether anchorages to hold adult seat belts, harnesses, or other items of equipment in your vehicle.

Using ISOFIX low and Top-tether anchorages to hold adult seat belts, harnesses, or other items or equipment in your vehicle will not provide adequate protection in the case of a collision and could result in injuries or even death.

⚠Warning

Child restraint system placed in the front seat could cause serious injury or death.

Never install a rear-facing child restraint in the front seat of a vehicle equipped with a front passenger airbag.

A child in a rear-facing child restraint installed in the front seat can be seriously injured if the front passenger airbag inflates.

Secure a rear-facing child restraint on the rear seat.

A front-facing child restraint should be secured on the rear seat whenever possible.

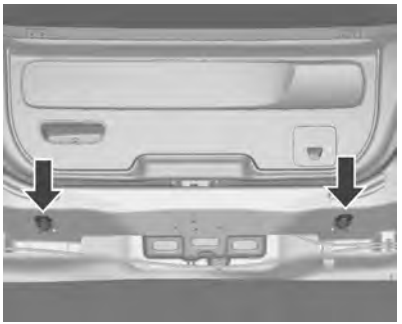
If installed on the front passenger seat, adjust the seat as far back as it will go.

Caution

Full size rear facing child seats may not be suitable for installation. Contact your Retailer for information regarding suitable child restraint systems.

Installation of child restraints with ISOFIX low and Top-tether anchorage attachments.

Top-tether fastening eyes

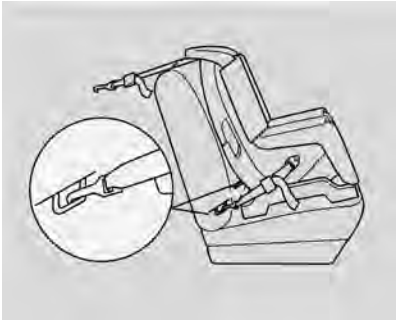


To access the Top-tether anchor points, do the following:

1. Remove the load compartment cover.
2. Attach the clip on the child restraint's tether strap to the Top-tether anchor, making sure to remove any twists in the tether strap.

   If the position you are using has an adjustable head restraint and you are using a dual tether, route the tether around the head restraint.

   If the position you are using has an adjustable head restraint and you are using a single tether, raise the head restraint and route the tether under the head restraint and in between the head restraint posts.
3. Tighten the child restraint's tether strap according to the instructions supplied with the child restraint.
4. Push and pull on the child restraint after installation to be sure the child restraint is secure.



⚠Warning

Make sure the clip on the child restraint's tether strap is properly attached to the Top-tether anchorage.

Incorrect attachment could render the tether strap and top tether anchorage ineffective.

Storage

Storage compartments 48
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Loading information 53

Storage compartments

Instrument panel storage

Storage below the instrument panel

Type 1

Type 2

The storage is used for small articles, etc.

Coin box

Store your coins in a place.

Glovebox

To open pull the grip.

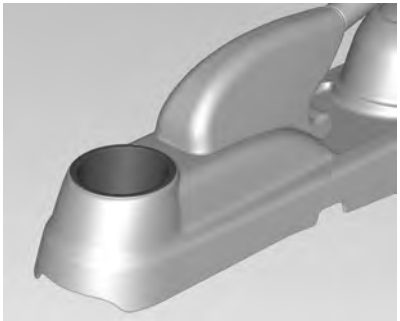
⚠Warning

To reduce the risk of injury in an accident or a sudden stop, always keep the glovebox door closed while driving.

Cupholders

Type 1

Type 2



The cup holders are located in the front console and rear part of the center console.

⚠Warning

Do not place uncovered cups of hot liquid in the cup holder while the vehicle is in motion. If the hot liquid spills, you burn yourself. Such a burn to the driver could lead to loss of control of the vehicle.

To reduce the risk of personal injury in the event of sudden stop or collision, do not place uncovered or unsecured bottles, glasses, cans, etc., in the cup holder while the vehicle is in motion.

Sunglasses storage

Fold down and open.

Do not use for storing heavy objects.

Load compartment

Folding down rear backrests

⚠Warning

Do not stack luggage or other cargo higher than the front seats.

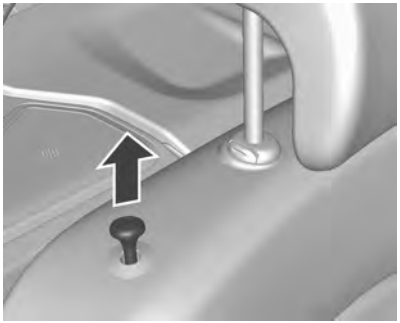
Do not allow passengers to sit on the folded seat backrests while the vehicle is in motion.

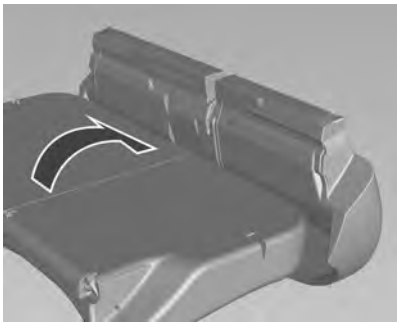
Unrestrained load or passengers on a folded seat backrest can be thrown around within or ejected from the vehicle in a sudden stop or accident. This can result in serious injuries or death.

To fold down the rear backrest separately:

1. Pull up the front of the rear seat cushion to release it. If your vehicle is equipped with rear seat head restraints, they must be removed.
2. Guide the released rear seat cushion to an upright position.

Note
To ensure enough room for rear seat cushion operation, slide the front seat forward and adjust the front seat backrest upright.





3. Pull up the release knob on top of the rear seat backrest and fold it forward and down.
4. Adjust the front seats to the desired position.

To return the backrest to the upright position, lift it up and push it firmly into place.

Make sure the seat belts are not pinched by the latch.

To return the rear seat cushion, put the rear part of the seat cushion in its original position ensuring that the seat belt buckle straps are not twisted or caught under the seat cushion, then push the front part of the seat cushion firmly down until it latches.

Caution

When returning rear seat backrest to the upright position, place the rear seat belt and buckles between the rear seat backrest and one cushion. Make sure the rear seat belt and buckles do not get pinched under the rear seat cushion.

Make sure the seat belts are not twisted or caught in the seat backrest and are arranged in their proper position.

⚠Warning

Ensure that the rear seat backrests are all the way back and locked in position before operating the vehicle with passengers on the rear seat.

Do not pull the release knobs on the top of the seat backrest while the vehicle is moving.

It can cause injuries or damage to the occupants.

Caution

Folding a rear seat with the seat belts still fastened may cause damage to the seat or the seat belts.

Always unbuckle the seat belts and return them to their normal stowed position before folding a rear seat.

⚠Warning

Never allow passengers to sit on top of the folded down backrests, while the car is moving as this is not a proper seating position and no seat belts are available for use.

This could result in serious injury or death in case of an accident or sudden stop.

Objects carried on the folded down backrest should not extend higher than the top of the front seats. This could allow cargo to slide forward and cause injury or damage during sudden stops.

Convenience net

You can carry small loads with your optional convenience net.

To install the net, hang each loop in the upper corner of the net to both anchors of the back panel.

Caution

The convenience net is designed for small loads. Do not carry heavy objects in your convenience net.

Roof rack system

Roof rack

For safety reasons and to avoid damage to the roof, the vehicle approved roof rack system is recommended.

If you try to carry something on top of your vehicle that is longer or wider than the roof rack, the wind can catch it as you drive along. This can cause you to lose control. What you are carrying could be violently torn off, and this could cause you or other drivers to have a collision, and of course damage your vehicle. Never carry something longer or wider than the roof rack on top of your vehicle.

The maximum load (include roof utility bar's weight) for the roof rack rails is 50 kg in the vehicle. Do not exceed the maximum vehicle capacity when loading your vehicle.

Remove the roof utility bar or luggage, in the auto car washing facility, in case of there are roof utility bar or luggage on the roof rack.

Loading information

- Heavy objects in the load compartment should be placed against the seat backrests. Ensure that the backrests are securely engaged. If objects can be stacked, heavier objects should be placed at the bottom.
- Secure objects in load compartment to prevent sliding.
- When transporting objects in the load compartment, the backrests of the rear seats must not be angled forward.
- Do not allow the load to protrude above the upper edge of the backrests.
- Do not place any objects on the load compartment cover or the instrument panel, and do not cover the sensor on top of the instrument panel.
- The load must not obstruct the operation of the pedals, parking brake and gear selector lever, or hinder the freedom of movement of the driver. Do not place any unsecured objects in the interior.
- Do not drive with an open load compartment.
- The payload is the difference between the permitted gross vehicle weight (see identification plate ⇨ 192) and the kerb weight. For the kerb weight in detail, refer to the technical data section.

  The kerb weight includes weights for the driver (68 kg), luggage (7 kg) and all fluids (tank 90 % full).

  Optional equipment and accessories increase the kerb weight.
- Driving with a roof load increases the sensitivity of the vehicle to cross-winds and has a detrimental effect on vehicle handling due to the vehicle's higher centre of gravity. Distribute the load evenly and secure it properly with retaining straps. Adjust the tyre pressure and vehicle speed according to the load conditions. Check and retighten the straps frequently.

Instruments and controls

Controls 54
Warning lights, gauges and indicators 59
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Vehicle personalisation 69

Controls

Steering wheel adjustment

Unlock lever, adjust steering wheel, then engage lever and ensure it is fully locked.

Do not adjust steering wheel unless vehicle is stationary and steering wheel lock has been released.

Caution
If a strong impact is delivered to the steering column when the steering wheel is adjusted or the lever is locked, it may cause damage to the parts related to steering wheel.

Steering wheel controls

The Infotainment system can be operated by the controls on the steering wheel ⇨ 78.

Horn

Press .

Windscreen wiper/washer

Windscreen wiper

To operate the windscreen wipers, turn the ignition ON and move the windscreen wiper / washer lever upward.

OFF = System off.
INT = Intermittent operation.
LO = Continuous wipe, slow speed.
HI = Continuous wipe, fast speed.

For a single wipe when the windscreen wipers are off, lightly move the windscreen wiper lever toward the INT position and release it. The lever will return automatically to its normal position when released. The wipers will operate through one cycle.

Misting function

To operate the windscreen wipers once in case of light rain or mist, lightly move the windscreen wiper / washer lever toward the **INT** position and release it. The lever will return automatically to its normal position when released. The wipers will operate through one cycle.

Caution
Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property. Do not operate the windscreen wipers when the windscreen is dry or obstructed, as with snow or ice.

Using the wipers on an obstructed windscreen can damage the wiper blades, wiper motor and glass.

Check blades are not frozen to windows before operating in cold weather. Wiper operation while blade is frozen can damage wiper motor.

Windscreen washer

Pull lever. Washer fluid is sprayed onto the windscreen and the wiper wipes a few times.

Caution

Do not operate the windscreen washer continuously for more than a few seconds, or when the washer fluid tank is empty. This can cause the washer motor to overheat resulting in costly repairs.

⚠Warning

Do not spray washer fluid on the windscreen in freezing weather. Using washer fluid and wipers in freezing weather may cause an accident because the washer fluid can form ice on a frozen windscreen and obstruct your vision.

Rear window wiper/washer

To operate the rear wiper and washer, push the lever toward the instrument panel. Push once: the wiper will operate continuously at slow speed. To spray washer fluid, push the lever once more.

Caution

Less than clear vision for the driver can lead to an accident resulting in personal injury and damage to your vehicle or other property.

Do not operate the rear window wiper when the tailgate window is dry or obstructed, as with snow or ice.

Using the wiper on an obstructed window can damage the wiper blades, wiper motor, and glass.

Check blade is not frozen to window before operating in cold weather to prevent damage to the wiper motor.

At freezing temperature do not spray washer fluid on the rear window until it is warm.

Washer fluid can form ice on a frozen tailgate window and obstruct your vision.

Caution

Do not operate the windscreen washer continuously for more than some seconds, or when the washer fluid tank is empty. This can cause the washer motor to overheat resulting in costly repairs.

Power outlets

A 12 Volt power outlet is located in the front console.

Do not exceed the maximum power consumption of 120 Watts.

With ignition off, the power outlets are deactivated.

Additionally the power outlets are deactivated in the event of low battery voltage.

Do not connect any current-delivering accessories, e.g. electrical charging devices or batteries.

Do not damage the outlet by using unsuitable plugs.

Cigarette lighter

Type 1

Type 2

To operate the cigarette lighter, turn the ignition switch to ACC or ON and push the lighter in all the way.

The cigarette lighter will pop out automatically when it is ready to use.

Caution

Overheating the cigarette lighter can damage the heating element and the lighter itself.

Do not press the lighter while it is heating. This can cause the lighter to overheat.

Trying to operate a malfunctioning cigarette lighter can be dangerous. If the heated cigarette lighter does not pop out within 25 seconds, pull it out and consult a workshop to have it repaired. It can cause injuries and damage to your vehicle.

⚠Warning

If you leave the vehicle with an inflammable explosive substance, such as a disposable lighter, inside the car in summer, it can explode and cause fire due to an increase of temperature in the passenger compartment and the boot. Please ensure that no inflammable explosive substances are left or kept inside the car.

Caution

The cigarette socket should only be used with the cigarette lighter. If other 12 V power adapters are installed into the cigarette socket, fuse failure or a potential thermal incident may occur.

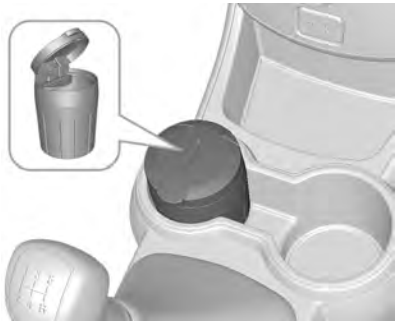
Caution

The barrel of an operating cigarette lighter can become very hot.

Do not touch the barrel of the cigarette lighter and do not allow children to operate or play with the cigarette lighter.

The hot metal can cause personal injuries and damage to your vehicle or other property.

Ashtrays



Caution
Cigarettes and other smoking materials could set them on fire. Do not put paper or other flammable items in the ashtray. An ashtray fire can lead to personal injury or damage to your vehicle or other property.

The portable ashtray can be placed in the cupholders.

To open the ashtray, gently lift the lid of the ashtray. After using, close the lid firmly.

To empty the ashtray for cleaning, slightly rotate the upper part of the ashtray counterclockwise and remove it.

Warning lights, gauges and indicators

Speedometer

Indicates vehicle speed.

Odometer

The odometer shows how far your car has been driven in kilometres or miles.

There are two independent trip odometers, which measure the distances your vehicle has travelled since you last reset this function.

The odometer, trip A and trip B can be switched by pressing the **TRIP** button.

Note
To reset each trip odometre to zero, press the TRIP button of the cluster more than 2 seconds.

Tachometer

Displays the engine revolutions per minute.

Drive in a low engine speed range for each gear as much as possible.

Fuel gauge

Displays the fuel level in the tank.

Never run the tank dry.

Because of the fuel remaining in the tank, the top-up quantity may be less than the specified tank capacity.

Movement of the fuel within the fuel tank causes the fuel gauge pointer to move when you brake, accelerate or turn.

⚠ Danger

Before refuelling, stop vehicle and switch off the engine.

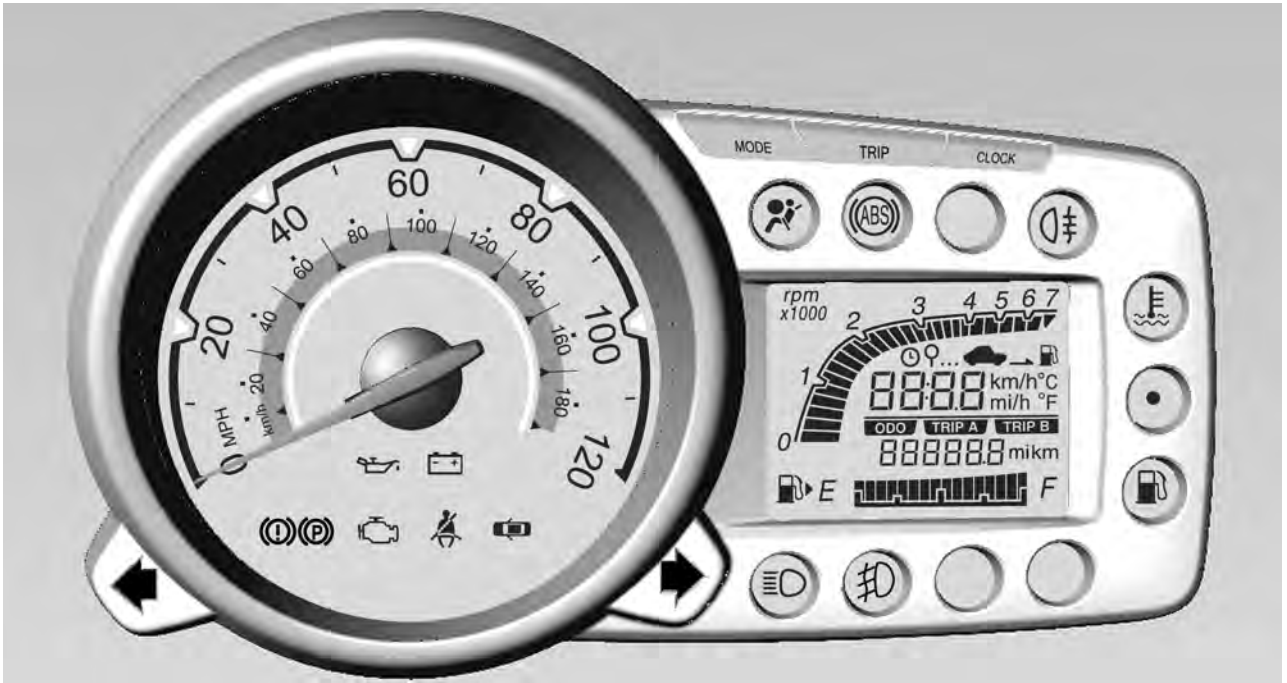
Control indicators

The control indicators described are not present in all vehicles. The description applies to all instrument versions. When the ignition is switched on, most control indicators will illuminate briefly as a functionality test.

The control indicator colours mean:

red	=	danger, important reminder
yellow	=	warning, information, fault
green	=	confirmation of activation
blue	=	confirmation of activation

Control indicators in the instrument cluster



Control indicators in the centre console

Turn signal

⇦⇨ flashes green.

Flashes

The control indicator flashes if a turn signal or the hazard warning flashers are activated.

Rapid flashing: failure of a turn signal light or associated fuse.

Bulb replacement ⇨ 155, Fuses ⇨ 161, Turn signals ⇨ 73.

Seat belt reminder

Seat belt reminder on front seats

for driver's seat illuminates or flashes red.

for front passenger seat illuminates or flashes red, when seat is occupied.

1. After the ignition has been switched ON, the control indicator illuminates until the seat belt is fastened.
2. After the engine is running, the control indicator flashes for 100 seconds and then illuminates until the seat belt is fastened.
3. If the vehicle moves more than 0.15 mile or the speed is over 14 mph with unfastened seat belt, the control indicator will flash and the chime will sound for 100 seconds.

After 100 seconds, the indicator will illuminate until the seat belt is fastened, and the chime will go off.

Seat belt status on rear seats

for rear seats illuminates or flashes red.

1. When engine is running with all doors closed and the vehicle speed is less than 6 mph, the rear seat belt indicators illuminate until the belts are fastened. In case that nobody occupies on the seats, this behaviour is still applied.
2. If the vehicle speed is over 6 mph with all doors closed, unfastened rear seat belt indicators will illuminate for 35 seconds and go off regardless of occupancy of the rear seats. If a rear seat belt becomes fastened, the other unfastened belt indicator will illuminate again for 35 seconds and go off.
3. If any rear seat belt status changes from fastened to unfastened when the vehicle speed is over 6 mph and all doors closed, the belt indicator will flash until the seat belt is fastened and a chime will sound 4 times.

Three-point seat belt ⇨ 33.

Airbag and belt tensioners

illuminates red.

When the ignition is switched on, the control indicator illuminates for a few seconds. If it does not illuminate, does not go out after a few seconds or illuminates whilst driving, there is a fault in the airbag system. Seek the assistance of a workshop. The systems may fail to trigger in the event of an accident.

Vehicle trouble or deployment of the belt pretensioners or airbags is indicated by continuous illumination of .

⚠Warning

Have the cause of the fault remedied immediately by a workshop.

Belt pretensioners, airbag system ⇨ 32, ⇨ 35.

Airbag deactivation

illuminates yellow.

When the control indicator illuminates the front passenger airbag is activated.

illuminates yellow.

When the control indicator illuminates the front passenger airbag is deactivated.

Airbag deactivation ⇨ 39.

Charging system

illuminates red.

It illuminates when the ignition is switched on and goes out shortly after the engine starts.

Illuminates when the engine is running

Stop, switch off engine. Battery is not charging. Engine cooling may be interrupted. Seek the assistance of a workshop.

Malfunction indicator light

illuminates or flashes yellow.

It illuminates when the ignition is switched on and goes out shortly after the engine starts.

Brake system

illuminates red.

Illuminates when the parking brake is released, if the brake and clutch fluid level is too low or if there is a brake system fault. Brake fluid ⇨ 153.

⚠Warning

Do not drive with the brake system warning light on.

This may mean your brakes are not working properly.

Driving with malfunctioning brakes can lead to a collision resulting in personal injuries and damage to your vehicle and other property.

Illuminates after the ignition is switched on if the manual parking brake is applied. Parking brake ⇨ 136.

Antilock brake system (ABS)

(ABS) illuminates yellow.

Illuminates for a few seconds after the ignition is switched on. The system is ready for operation when the control indicator goes out.

If the control indicator does not go out after a few seconds, or if it illuminates while driving, there is a fault in the ABS. The brake system remains operational but without ABS regulation.

Antilock brake system ⇨ 135.

Transmission

Transmission display

A/T illuminates red.

When the ignition is switched on, it illuminates for approximately 3 seconds and should go out, to confirm that the automatic transmission is operational.

Caution

If it does not come on, or if it does not go out after about 3 seconds, or if it comes on while driving, it means that there is malfunction in the system.

Consult a workshop to repair the problem as soon as possible. We recommend your authorised Chevrolet workshop.

Overdrive off

O/D OFF illuminates yellow.

This indicator comes on when the overdrive function is cancelled.

Pressing the overdrive button on the side of the selector lever knob again will make the overdrive OFF indicator go off and activate the overdrive function.

Electronic Stability Control

illuminates or flashes yellow.

Illuminates

A fault in the system is present. Continued driving is possible. Driving stability, however, may deteriorate depending on road surface conditions.

Have the cause of the fault remedied by a workshop.

Flashes

The system is actively engaged. Engine output may be reduced and the vehicle may be braked automatically to a small degree.

Electronic Stability Control ⇨ 136.

Electronic Stability Control off

OFF flashes yellow.

The system is deactivated.

Engine coolant temperature

illuminates red.

This light tells you that the engine coolant has overheated.

If you have been operating your vehicle under normal driving conditions, you should pull off the road, stop your vehicle and let the engine idle for a few minutes.

If the light does not go out, you should switch the engine off and consult a workshop as soon as possible. We recommend that you consult your authorised workshop.

Engine oil pressure

illuminates red.

It illuminates when the ignition is switched on and goes out shortly after the engine starts.

Illuminates when the engine is running

Caution
Engine lubrication may be interrupted. This may result in damage to the engine and/or locking of the drive wheels.

If the engine oil pressure warning light comes on while driving, Pull off the road, stop the engine and check the oil level.

⚠Warning
When the engine is off, considerably more force is needed to brake and steer. Do not remove key until vehicle is stationary, otherwise the steering wheel lock could engage unexpectedly.

Check oil level before seeking the assistance of a workshop. Engine oil ⇨ 147.

Low fuel

illuminates yellow.

Illuminates when level in fuel tank is too low.

Caution
Do not let your vehicle run out of fuel. This can damage the catalytic converter.

Catalytic converter ⇨ 128.

High beam

illuminates blue.

Illuminated when high beam is on and during headlight flash. High beam / low beam ⇨ 71.

Fog light

illuminates green.

Illuminated when the front fog lights are on ⇨ 73.

Rear fog light

illuminates yellow.

Illuminated when the rear fog light is on ⇨ 74.

Door open

illuminates red.

It illuminates when a door or the tailgate is open.

Trip computer

The trip computer provides the driver with driving information such as driving distance for remaining fuel, ambient temperature, average speed and driving time.

Each time you press the **MODE** button of the cluster, the display changes in the following order:

Driving distance for remaining fuel → Average speed → Driving time → Ambient temperature → Driving distance for remaining fuel.

Driving distance for remaining fuel

This mode indicates the estimated driving distance to empty from the current fuel in the fuel tank.

The distance range is 31~620 miles.

The trip computer is able to register the refilled fuel of at least 4 liters or more.

If you refuel with the battery disconnected or the vehicle tilted, the trip computer might not show the correct values.

When the driving distance for remaining fuel is less than 31 mile, "---" will be displayed and flashed.

The distance can be different depending on driving patterns.

Note
As an auxiliary device, the trip computer may have differences with the actual distance for remaining fuel according to circumstances.

The driving distance for remaining fuel can be changed by the driver, the road and the vehicle speed because it is calculated according to the changing fuel efficiency.

Average speed

This mode indicates the average speed.

The average speed is accumulated while the engine is running even if the vehicle is not driven.

The average speed range is 0~111 mph.

To reset the average speed to zero, press the **MODE** button for more than 1 second.

Driving time

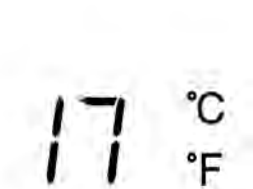
This mode indicates the total driving time.

To reset the driving time to zero, press the **MODE** button for more than 1 second.

The driving time is accumulated while the engine is running even if the vehicle is not driven.

The driving time will be initialized to 0:00 after being displayed to 99:59.

Ambient temperature



This mode indicates the outside temperature.

The temperature range is -30~70°C.

The ambient temperature is not changed immediately as a general thermometer because it may cause confusion while driving.

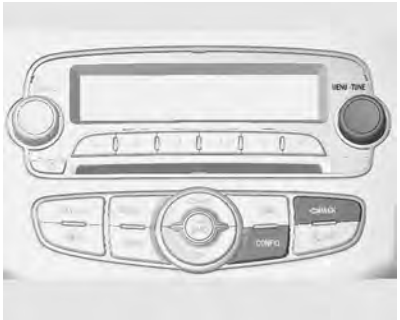
The ambient temperature can be different from the actual temperature due to driving conditions.

Note
The driving distance for remaining fuel, average speed and ambient temperature can differ from the actual distance according to driving conditions, driving pattern or vehicle speed.

Vehicle personalisation

The vehicle can be personalised by changing the settings in the Info display.

Depending on vehicle equipment some of the functions described below might not be available.



Press the **CONFIG** button, when ignition is ON and the infotainment system is activated.

Setting menus are displayed.

To switch the setting menu, turn the **MENU** knob.

To select a setting menu, press the **MENU** button.

To close or to go back to previous, press the **BACK** button.

The following menus can be displayed:

- Languages
- Time Date
- Radio Settings
- Restore factory Settings

Language Settings

Change the languages.

Time and Date Settings

Infotainment system ⇨ 83.

Radio Settings

Infotainment system ⇨ 83.

Restore factory Settings

All settings are restored to initial settings.

Lighting

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Exterior lighting

Light switch

Exterior light controls

To turn the head and tail lights on or off, twist the end of the combination switch lever. The light switch has three positions which activate various light functions as follows:

OFF: All the lights are off.

: The tail lights, number plate lights and instrument panel lights are illuminated.

D: The low beam headlights and all of the above lights are illuminated.

The headlights will turn off automatically when the driver's door is opened after the ignition switch is turned to LOCK.

High beam

To switch from low to high beam, push lever.

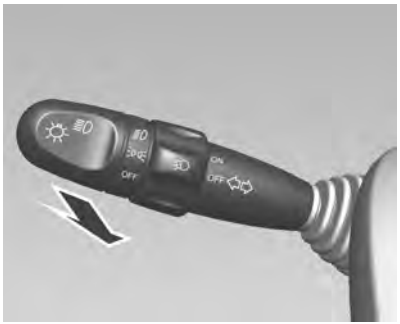
To switch to low beam, push lever again or pull.

Note
The headlight high-beam indicator illuminates when the headlights are on high beam.

⚠Warning

Always switch the high beam headlights to low beam when you approach oncoming vehicles or other vehicles ahead. High beam headlights can temporarily dazzle other drivers, which could result in a collision.

Headlight flash



The lever will return to its normal position when you release it. The high-beam headlights will stay on as long as you hold the combination switch lever toward you.

Headlight range adjustment

To adapt headlight range to the vehicle load to prevent dazzling: turn knob to required position.

0 = front seats occupied
1 = all seats occupied
2 = all seats occupied and load compartment laden
3 = driver's seat occupied and load compartment laden

Headlights when driving abroad

The asymmetrical headlight beam extends visibility at the edge of the road at the passenger side.

However, when driving in countries where traffic drives on the opposite side of the road, adjust the headlights to prevent dazzling of oncoming traffic.

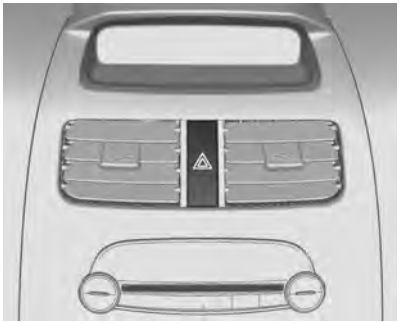
Have the headlights adjusted by a workshop.

Daytime running lights

Daytime running light increases visibility of the vehicle in the daytime.

Taillights are not on.

Hazard warning flashers

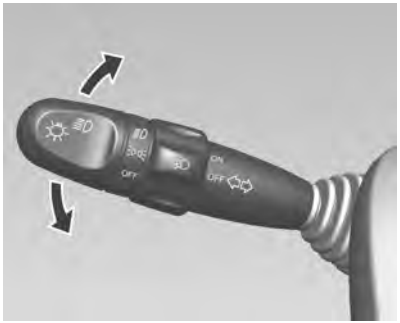


Operated with the ⚠ button.

To activate the hazard warning flashers, push the button.

To turn off the flashers, push the button again.

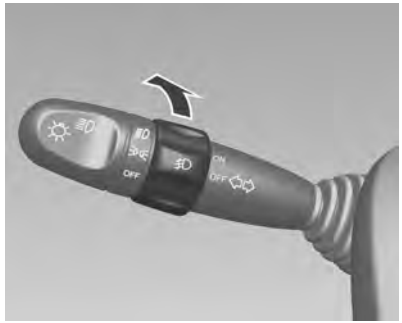
Turn and lane-change signals



lever up = right indicator
lever down = left indicator

If the lever is moved past the resistance point, the indicator is switched on constantly. When the steering wheel moves back, the indicator is automatically deactivated.

Front fog lights



To turn on the fog lights, make sure the low-beam headlights are on.

Turn the ring on the middle of the combination switch lever to ON. To turn off the fog lights, turn the ring to the OFF position.

Rear fog lights

To turn on the rear fog light, twist the end of the windscreen wiper lever when the low beam headlights are on.

To turn off the rear fog light, twist the end of the lever again.

Reversing lights

The reversing light illuminates when the ignition is on and reverse gear is selected.

Interior lighting

Interior lights

Courtesy light

Operate rocker switch:

- O = always on until shut off manually.
- = automatic switching on when you open a door and off after doors are closed.
- | = always off, even when doors are open.

Note
The battery can be discharged if the lights stay on for a long time.

⚠Warning

Avoid using the courtesy light while driving in the dark.

A lit passenger compartment reduces visibility in the dark, and could cause a collision.

Lighting features

Battery discharge protection

Switching off electric lights

To prevent the battery from being discharged, some lights are turned off automatically if you open the driver's door when the ignition is switched to LOCK or ACC.

The courtesy lights will not be applied with this function.

Infotainment system

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Audio players 98

Introduction

General information

The Infotainment system provides infotainment in your car, using the latest technology.

The radio can be easily used by registering up to 36 AM/FM or DAB (only for Type A) radio stations with the PRESET buttons [1~6] per every six pages.

The integrated CD player can play audio CD and MP3 (WMA) discs, and the USB player can play connected USB storage devices or iPod products.

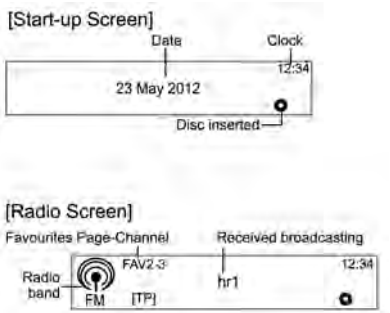
Connect a portable music player to the exterior sound input and enjoy the rich sound of the Infotainment system.

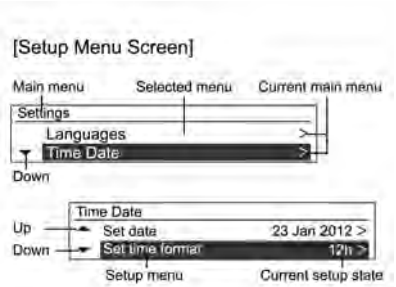
The digital sound processor provides a number of preset equaliser modes for sound optimisation.

The system can be easily adjusted with the carefully designed adjusting device, smart displayer and multifunctional menu dial regulator.

- The "Overview" section provides a simple overview of the Infotainment system's functions and a summary of all regulatory devices.
- The "Operation" section explains the basic controls for the Infotainment system.

Screen display





The screen display may differ from the manual display since most screen displays differ according to the device's setup and vehicle specification.

Control elements overview

Type A: Radio/DAB + CD/MP3 + USB/iPod + AUX

Type B: Radio + CD/MP3 + USB/iPod + AUX

1. **Display**

   Display for Play/Reception/Menu state and information.

2. **POWER** [⏻] / **VOLUME** [**VOL**]
   - Turn the power on/off by pressing this button.
   - Turn the control knob to adjust the overall volume.

3. **PRESET [1-6]** buttons
   - Hold down any of these buttons to add the current radio station to the current favourites page.
   - Press any of these buttons to select the channel linked to that button.

4. **EJECT** [⏏]

   Press this button to eject the disc.

5. **Disc slot**

   This is the slot in which compact discs are inserted or taken out.

6. **FAVOURITE** [**FAV1-2-3**] button

   Press this button to select the page of saved favourite channels.

7. **INFORMATION** [**INFO**] button
   - Press this button to view file information when using the CD/MP3 or USB/iPod play modes.
   - View information about a radio station and the currently playing song when using the radio function.

8. ⏮**SEEK**⏭ buttons
   - Press these buttons while using the radio or DAB (Digital Audio Broadcasting: only for Type A) to automatically seek stations with clear reception. You can manually set the broadcasting frequency by holding down these buttons.
   - Press these buttons while using the CD/MP3 or USB/iPod play modes to instantly play the previous or next track.

     You can hold down these buttons to quickly rewind/fast forward through the currently playing songs.

9. **CD/AUX** button

   Press this button to select CD/MP3/, USB/iPod or AUX audio function.

10. **RADIO BAND** button

    Toggle between AM/FM or DAB (Digital Audio Broadcasting: only for Type A) function.

11. **TP** button

    While using the FM RDS function, turn the TP (Traffic Programme) function on or off.

12. **CONFIG** button

    Press this button to enter the system setup menu.

13. **TONE** button

    Press this button to adjust/select the sound setup mode.

14. **MENU-TUNE** button with control knob

- Press this button to display the currently functioning menu or select/practice the setup content and setup values.
- Turn the control knob to move/change the setup content or setup values.

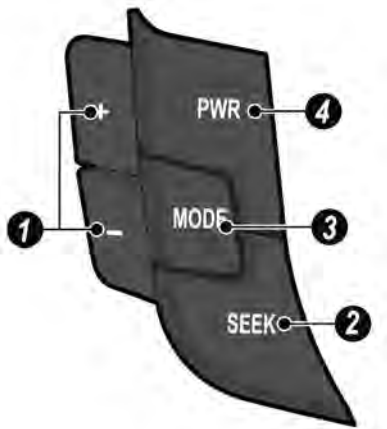
15. ⇦**BACK** button

    Cancel input content or return to the previous menu.

16. **PHONE** [✆] / **MUTE** [🔇]

    Press the button to turn the mute function on or off.

Steering wheel audio remote control: option



1. **Volume [+/-]**
   - Press the buttons to increase/decrease the volume step.
   - Hold down the buttons to quickly up/down the volume level.
2. [**SEEK**]
   - Press the button to change the registered radio stations or music track being played.
   - Hold down the button to quickly seek up the frequency or forward through the currently playing songs.
3. **MODE**

   Press the button to select Radio, AUX or CD/MP3/USB/iPod (only for Type A) audio function.
4. Power [**PWR**] / MUTE

   Power on: Press this button.

   Power off: Press this button more than 1 second.

   Audio mute: Press this button in any music play mode to turn the mute function on/off.

Operation

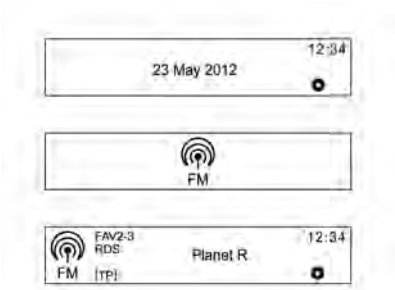
Buttons and controlling device

The Infotainment system is operated by using the function buttons, multifunctional dial, and the menu indicated on the screen display.

The buttons and control devices used in the system are the following ones.

- The Infotainment system buttons and control knob
- The steering wheel remote control buttons

System on/off

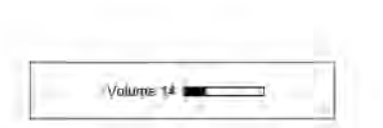


Press the POWER [⏻] button to turn the system on.

Turning on the power will play the previously chosen broadcasting station or song.

Press the POWER [⏻] button to turn the system off.

Volume control



Turn the volume [**VOL**] control knob to adjust the volume.

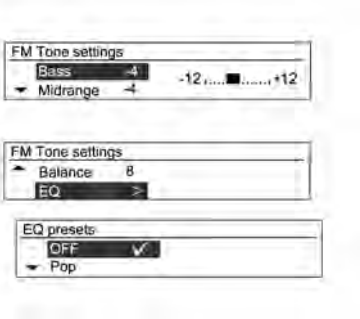
- Using the steering wheel remote control knob, press the volume [+/-] buttons to adjust the volume.
- The current sound volume is indicated.
- Turning on the Infotainment system power will set the volume level to its previous selection (when it is less than the maximum starting volume).

Volume limit at high temperature

If the inside temperature of the radio is very high, the Infotainment system will limit the controllable maximum volume.

If necessary, the volume will automatically decrease.

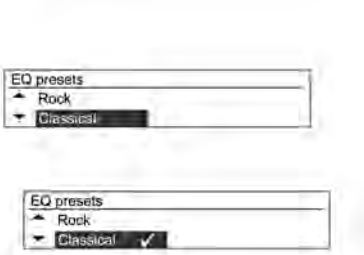
Tone settings



From the **Tone settings** menu, sound features can be setup differently according to the FM/AM radio or DAB (only for Type A) audio and each audio player's functions.

Press the **TONE** button when using the relevant functioning mode.

Turn the **MENU-TUNE** control knob to select the desired tone control mode, and then press the **MENU-TUNE** button.



Turn the **MENU-TUNE** control knob to select the desired tone control value, and then press the **MENU-TUNE** button.

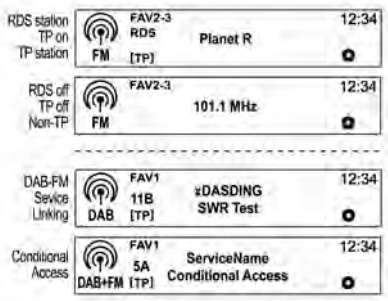
It is possible to initialise the currently selected item by long-pressing the **MENU-TUNE** button in the tune configuration mode, or to initialise all items of the tune configuration mode by long-pressing the **TONE** button.

Tone Settings menu

- Bass: Adjust the bass level from -12 to +12.
- Midrange: Adjust the midrange level from -12 to +12.
- Treble: Adjust the treble level from -12 to +12.
- Fader: Adjust the front/rear speaker balance from front 15 to rear 15 in the six speaker system vehicle model.
- Balance: Adjust the left/right speaker balance from left 15 to right 15.
- EQ (Equaliser): Select or turn off the sound style (OFF ↔ Pop ↔ Rock ↔ Classical ↔ Talk ↔ Country).

Select function

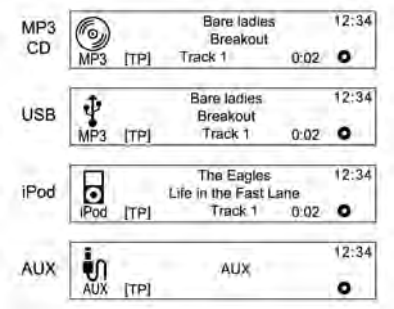
FM/AM radio or DAB (only for Type A)



Press the **RADIO BAND** button to select AM/FM radio or DAB (only for Type A) function.

Press the **MENU-TUNE** button to open the **FM menu**/**AM menu** or **DAB menu** that includes options for selecting broadcast stations.

CD/MP3/USB/iPod audio or exterior sound (AUX) input play



Repeatedly press the **CD/AUX** button to toggle through the audio player functions, the CD function for CD/MP3 discs, or the connected USB/iPod audio player. (**CD/MP3** → **AUX** → **USB/iPod** → **CD/MP3...**)

From the steering wheel remote control knob, press **MODE** to select the desired mode.

Press the **MENU-TUNE** button to open the menu with options for the relevant function or the menu of the relevant device.

Personalisation

Main buttons/control knob

The buttons and control knob used in the **Settings** are the following ones.

(12) **CONFIG** button

Press this button to enter the **Settings** menu.

(14) **MENU-TUNE** button with control knob

- Turn the control knob to move to the menu or setup item.
- Press the button to select/enter the detailed control screen provided by the current menu or setup item.

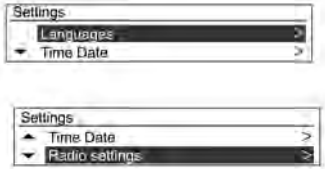
(15) ⇦ **BACK** button

Cancel the input item or return to the previous screen/menu.

How to use the Settings menu for personalisation

- Settings menus and functions may differ according to the car model.
- Reference: Table of information for the **Settings** menu below.

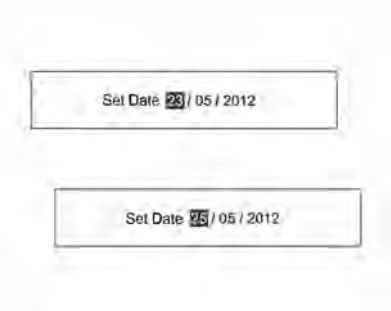
[Example] Settings → Time Date → Set Date: May 25th 2012



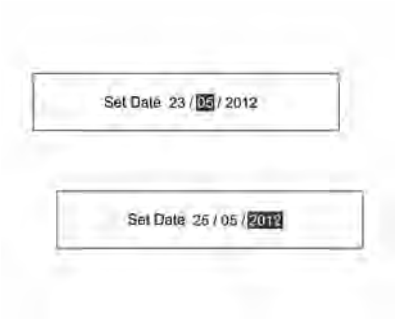
Press the **CONFIG** button for the **Settings** menu.

After referring to the table of information for the **Settings** menu below, turn the **MENU-TUNE** control knob to move to the desired **Settings** menu and then press **MENU-TUNE** button.

- Indicates the detailed list for the relevant settings menu or functioning state.
- If there is another detailed list from the relevant detailed list, you can repeat this action.



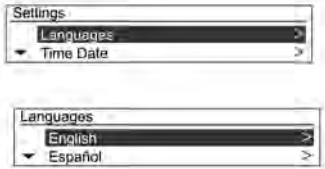
Turn the **MENU-TUNE** control knob to attain the desired setup value or functioning state and then press the **MENU-TUNE** button.



- If the relevant detailed list is made of several items, then repeat this action.
- Set/enter the relevant setup value or the functioning state will change.

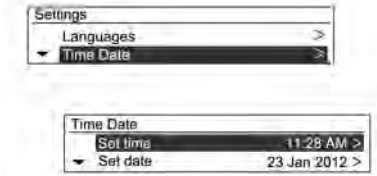
Table of information for Settings

[Languages]



Select the desired language.

[Time Date]



Set time: Manually set the hours and minutes for the current time.

Set date: Manually set the current year/month/date.

Set time format: Select 12h or 24h time display.

Set date format: Set the date display format.

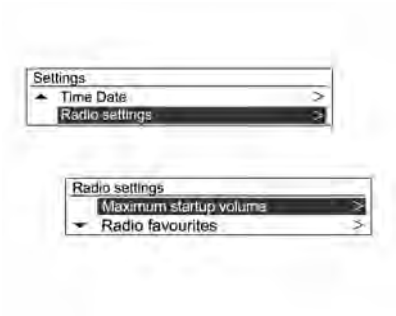
YYYY.MM.DD: 2012 May 23

DD/MM/YYYY: 23 May 2012

MM/DD/YYYY: May 23, 2012

RDS clock synchronization: Select **On** or **Off**

[Radio Settings]



Maximum startup volume:

Manually set the maximum limit for the start-up volume.

Radio favourites:

Manually set your favourites page numbers.

RDS options: Set the RDS options.

- **RDS**: **On**/**Off** (activate or deactivate the RDS function).
- **Regional**: **On**/**Off** (activate or deactivate the Regional function).
- **Text scroll freeze**: **On**/**Off** (activate or deactivate the Text scroll freeze function).
- **TA volume**: Set the TA volume.

DAB settings (only for Type A): Set the RDS options.

- **Auto ensemble linking**: **On**/**Off** (activate or deactivate the Auto ensemble linking function).
- **Auto linking DAB-FM**: **On**/**Off** (activate or deactivate the Auto linking DAB-FM function).
- **Dynamic audio adaption**: **On**/**Off** (activate or deactivate the Dynamic audio adaption function).
- **Band selection**: Set the Both, L-band or Band III.

Restore to factory settings:

Restore all settings to the default settings.

Radio

AM-FM radio

Before using AM-FM Radio and DAB (only for Type A)

Main buttons/control knob

(10) **RADIO BAND** button

Toggle between FM, AM radio or DAB (Digital Audio Broadcasting: only for Type A) function.

(14) **MENU-TUNE** button with control knob

- Turn this button/control knob to manually find a broadcasting frequency.
- Press this button/control knob to access the menu screen from the current mode.

(15) ⇦ **BACK** button

Cancel the input item or return to the previous screen/menu.

(8) ⏮SEEK⏭ buttons

- Press this button to automatically search for available radio or DAB (only for Type A) stations.
- Hold down this button to change the radio frequency as desired and then let the button go to stop at the current frequency.

(6) FAVOURITE [**FAV1-2-3**] button

Press this button to move through the pages of saved favourite radio or DAB stations.

(3) PRESET [1 ~ 6] buttons

- Hold down any of these PRESET buttons to register the current radio or DAB station to that button.
- Press this button to select the station registered to the PRESET button.

(7) INFORMATION [**INFO**] button

View the information for broadcast radio or DAB stations.

(11) **TP** button

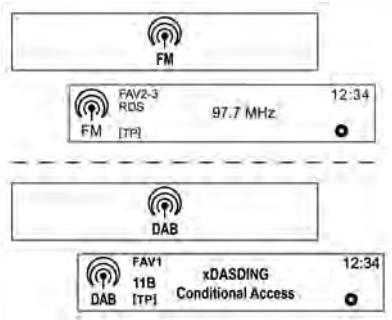
While using the FM RDS function, turn the TP (Traffic Programme) function on or off.

(16) PHONE [✆] / MUTE [🔇]

Press the button to turn the mute function on or off.

Listening to a radio or DAB (only for Type A) station

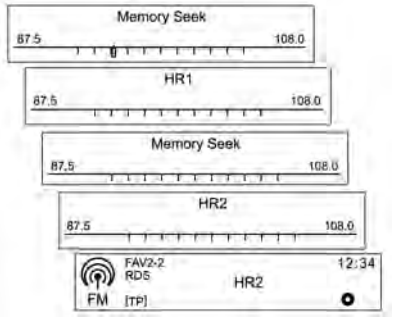
Selecting the radio or DAB mode



Repeatedly press the **RADIO BAND** button to toggle between FM, AM or DAB band.

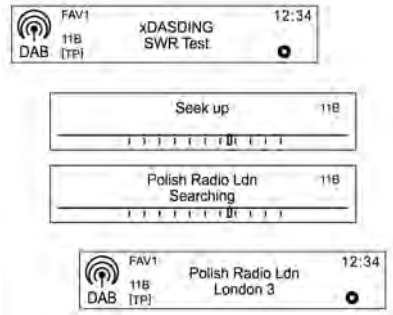
The previously chosen broadcasting station will be received.

Automatic station search



Press the ⏮SEEK⏭ buttons to automatically search for available radio stations with good reception.

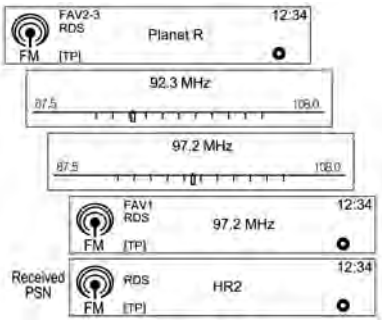
Automatic DAB service component search (only for Type A)



Press the ⏮SEEK⏭ buttons to automatically search for available DAB service component in the current ensemble.

To skip to the previous/next ensemble, press the ⏮SEEK⏭ buttons.

Seeking for radio stations



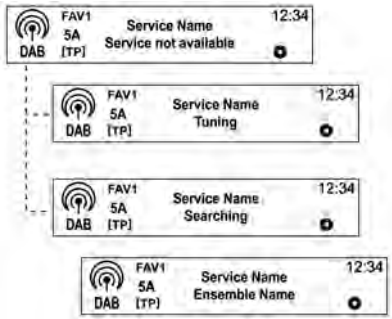
Hold down the ⏮SEEK⏭ buttons to quickly change the frequency and then release the button at the desired frequency.

Seeking for DAB service ensemble (only for Type A)

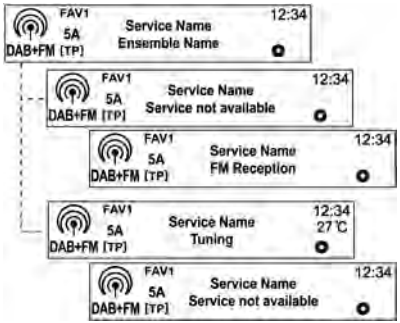
Press the ⏮SEEK⏭ buttons to automatically seek for available DAB service component with good reception.

Linking the DAB service (only for Type A)

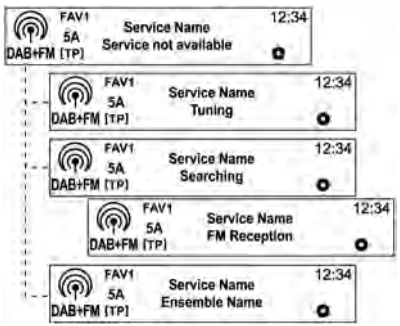
[DAB-DAB on/DAB-FM off]



[DAB-DAB off/DAB-FM on]

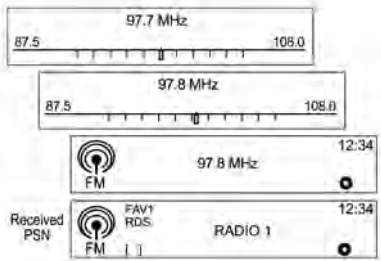


[DAB-DAB on/DAB-FM on]



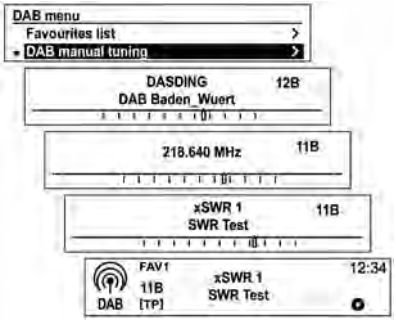
When you setup the Auto linking DAB-FM is activated, if the DAB service signal is weak, the infotainment system received the linked service component automatically. [Refer to Settings (press the **CONFIG** button) → Radio settings → DAB settings → Auto linking DAB-FM].

Searching for radio stations manually



Turn the **MENU-TUNE** control knob to manually find the desired broadcasting frequency.

Searching for DAB stations manually (only for Type A)



From the DAB mode, press the **MENU-TUNE** button to enter the **DAB menu**.

Turn the **MENU-TUNE** dial to select **DAB manual tuning** and then press **MENU-TUNE** button.

Turn the **MENU-TUNE** dial to manually find the desired broadcasting frequency and then press **MENU-TUNE** button.

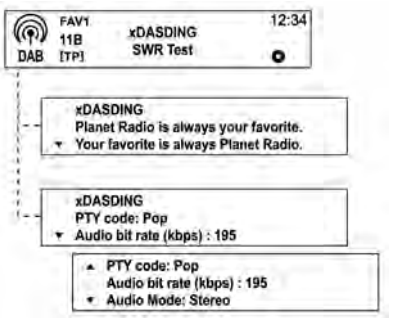
Using the DAB stations list (only for Type A)

Turn the **MENU-TUNE** dial to show the **DAB stations list**.

- The station list information will be displayed.
- If the stations list is empty, **DAB stations list** updating is started automatically.

Turn the **MENU-TUNE** dial to select the desired list and then press the **MENU-TUNE** button to receive the relevant broadcasting channel.

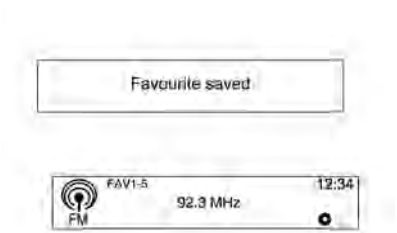
Showing the DAB information (only for Type A)



Repeatedly press INFORMATION [**INFO**] button to select the desired display mode for DAB station information.

Using the PRESET buttons

Registering the PRESET buttons

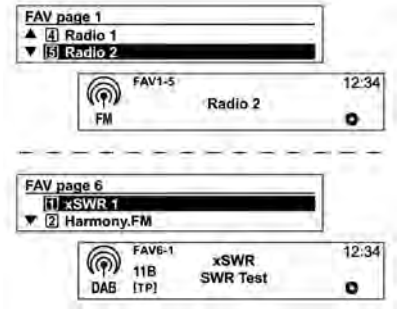


Press the FAVOURITE [**FAV1-2-3**] button to select the desired page of saved favourites.

Hold down any of the PRESET [1 ~ 6] buttons to register the current radio or DAB station to that button of the selected **Favourites Page**.

- Up to 3 favourites pages can be saved and each page can store up to six radio or DAB stations.
- It is possible to setup the number of favourites pages being used in **System Configuration → Radio Settings → Radio Favourites** (Max. number of favourites pages).
- If a new radio station is registered to a previously registered PRESET [1 ~ 6] button, its previous content will be deleted and be replaced with the new radio station that is saved.

Listening to a PRESET button directly

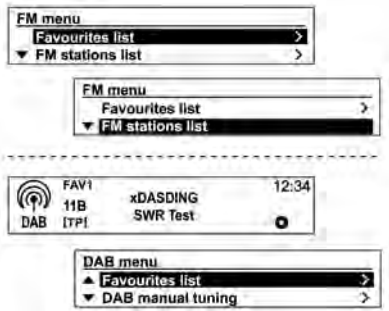


Repeatedly press the FAVOURITE [**FAV1-2-3**] button to select the desired FAV (favourites) preset page.

The number 1 broadcasting information of the selected FAV (favourites) preset page will be displayed.

Press a PRESET [1 ~ 6] button to directly listen to the radio or DAB station saved to that button.

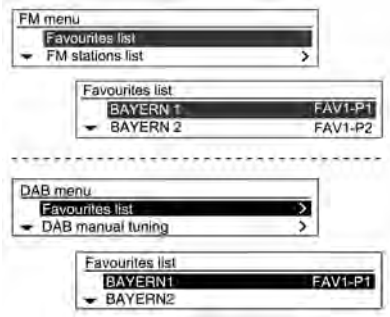
Using the radio or DAB (only for Type A) menu



Press the **MENU-TUNE** button to display the radio or DAB menu.

Turn the **MENU-TUNE** control knob to move to the desired menu item and then press the **MENU-TUNE** button to select the relevant item or to display the item's detailed menu.

AM/FM or DAB (only for Type A) menu → Favourites list

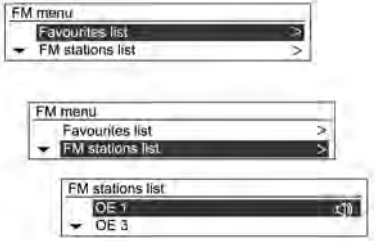


From the **FM menu**/**AM menu** or **DAB menu** item, turn the **MENU-TUNE** control knob to move to the **Favourites list** and then press the **MENU-TUNE** button.

The **Favourites list** information will be displayed.

Turn the **MENU-TUNE** control knob to move to the desired **Favourites list** and then press the **MENU-TUNE** button to receive the relevant broadcasting channel.

AM/FM menu → FM/AM station list

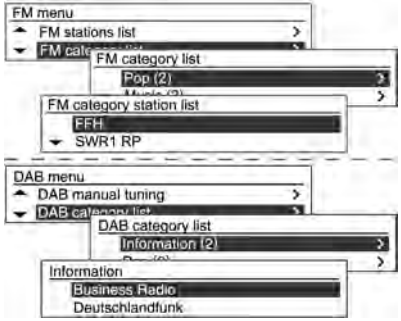


From the **FM menu**/**AM menu**, turn the **MENU-TUNE** control knob to move to the **FM stations list**/**AM stations list** and then press **MENU-TUNE** button.

The station list information will be displayed.

Turn the **MENU-TUNE** control knob to move to the desired list and then press the **MENU-TUNE** button to receive the relevant broadcasting channel.

FM or DAB menu (only for Type A) → FM or DAB category list

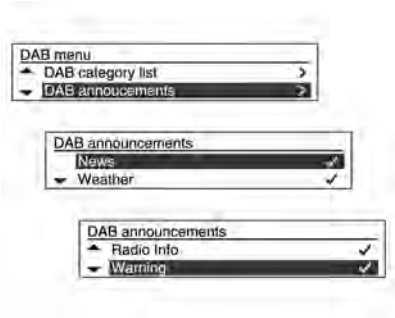


From the **FM menu** or **DAB menu** turn the **MENU-TUNE** control knob to move to the **FM category list** or **DAB category list** and then press the **MENU-TUNE** button.

The **FM category list** or **DAB category list** will be displayed.

Turn the **MENU-TUNE** control knob to move to the desired list and then press the **MENU-TUNE** button to receive the relevant broadcasting frequency.

DAB menu → DAB announcements (only for Type A)



From the **DAB menu**, turn the **MENU-TUNE** dial and move to the **DAB announcements** and then press **MENU-TUNE** button.

The DAB announcement list will be displayed.

Turn the **MENU-TUNE** dial to select the desired lists and then press the **MENU-TUNE** button to receive the relevant broadcasting frequency.

AM/FM or DAB (only for Type A) menu → Update FM/AM or DAB stations list

From the **FM menu**/**AM menu** or **DAB menu**, turn the **MENU-TUNE** control knob and move to **Update FM stations list**/**Update AM stations list** or **Update DAB stations list** and then press **MENU-TUNE** button.

- The **FM stations list**/**AM stations list** or **DAB stations list** update will proceed.
- During the **FM stations list**/**AM stations list** or **DAB stations list** update, press the **MENU-TUNE** button or the ⇦ **BACK** button to stop it from saving changes.

Radio data system (RDS)

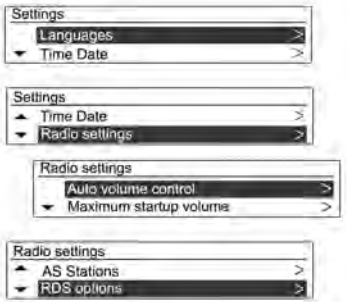
The Radio Data System (RDS) is a service by FM stations that considerably makes it easier to find radio stations with fault-free reception.

RDS stations are indicated by the programme name with the broadcasting frequency.

View RDS broadcasting information

While receiving RDS broadcasting, press the INFORMATION [**INFO**] button to check RDS broadcasting information that is being received.

Configuring RDS



Press the **CONFIG** button to display the **Settings** menu.

Turn the **MENU-TUNE** control knob to move to **Radio settings**, and then press the **MENU-TUNE** button.

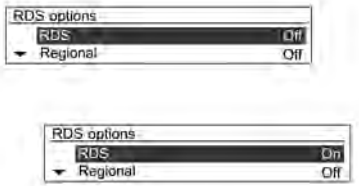
Turn the **MENU-TUNE** control knob to select **RDS options**, and then press the **MENU-TUNE** button.

Switching RDS on and off

Set the RDS option **On** or **Off**.

The following advantages result from activating RDS:

- On the display the programme name of the set station appears instead of its frequency.
- The Infotainment system always tunes into the best receivable broadcasting frequency of the set station by means of AF (alternative frequency).



From the **RDS options** menu, turn the **MENU-TUNE** control knob to move to **RDS Off**, and then press the **MENU-TUNE** button to turn on the RDS function.

Switching regionalisation on and off

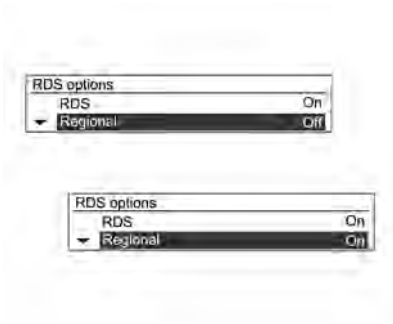
RDS must be activated for regionalisation.

At certain times, some RDS stations broadcast regionally different programmes on different frequencies.

Set the option **Regional** (REG) to **On** or **Off**.

Only alternative frequencies (AF) with the same regional programmes are selected.

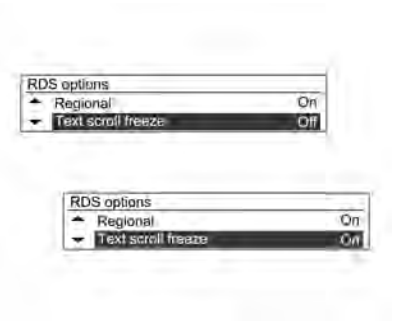
If regionalisation is switched off, alternative frequencies of the stations are selected without regarding regional programmes.



From the **RDS options** menu, turn the **MENU-TUNE** control knob to move to **Regional Off**, and then press the **MENU-TUNE** button to turn on the Regional function.

Switching the Text scroll freeze on and off

Switch the **Text scroll freeze** function (for displaying the information of the programme service) **On** or **Off**:

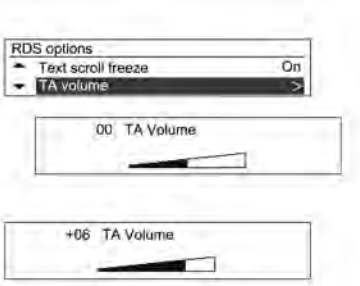


From the **RDS options** menu, turn the **MENU-TUNE** control knob to move to **Text scroll freeze Off**, and then press the **MENU-TUNE** button to turn on the **Text scroll freeze** function.

Volume of the traffic announcements (TA)

The minimum volume of the traffic announcements (TA) can be preset.

The minimum volume of the traffic announcements can be increased or reduced in comparison to the normal audio volume.



From the **RDS options** menu, turn the **MENU-TUNE** control knob to move to **TA volume**, and then press the **MENU-TUNE** button.

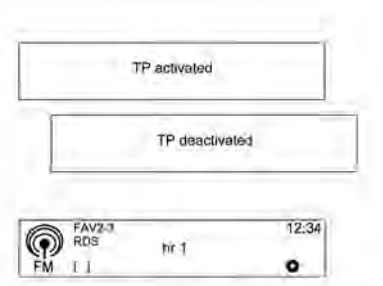
Turn the **MENU-TUNE** control knob to adjust the **TA volume** level, and then press the **MENU-TUNE** button.

Radio traffic service

TP = Traffic Programme

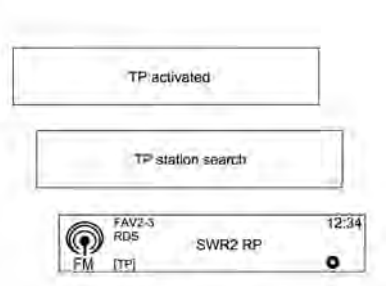
Radio traffic service stations are RDS stations that broadcast traffic news.

Switch the traffic announcement standby facility of the Infotainment system **On** or **Off**:



Press the **TP** button to activate or deactivate the traffic programme service function.

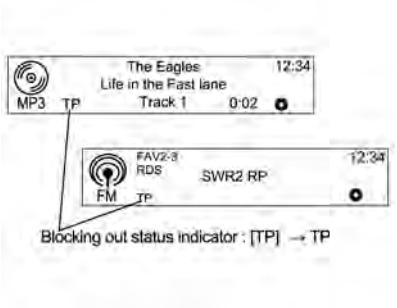
- If the radio traffic service is switched on, [ ] is displayed in the radio main menu.



- If the current station is not a radio traffic service station, then a search is automatically started for the next radio traffic service station.
- Once a radio traffic service station has been found, **[TP]** is displayed in the radio main menu.
- If the radio traffic service is switched on, then the CD/MP3/ USB/iPod/Bluetooth music or AUX replay is interrupted for the duration of the traffic announcement.

Blocking out traffic announcements

To block out a traffic announcement, e.g. during CD/MP3 replay or radio reception:



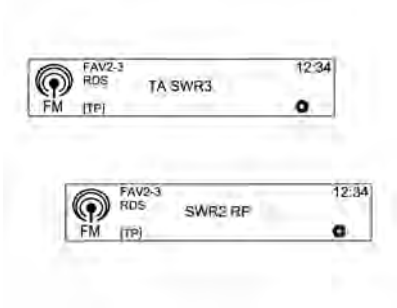
Press the **TP** button.

Switch on the radio traffic service and fully turn down the volume of the Infotainment system.

The traffic announcement is aborted, but the radio traffic service remains switched on.

Blocking out current traffic announcements

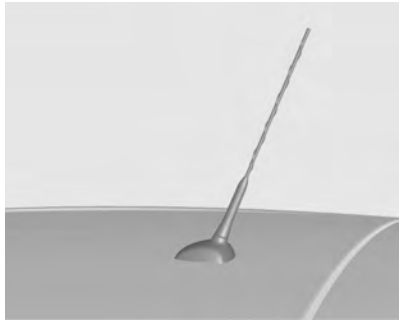
Block out a current traffic announcement, e.g. during TA radio reception:



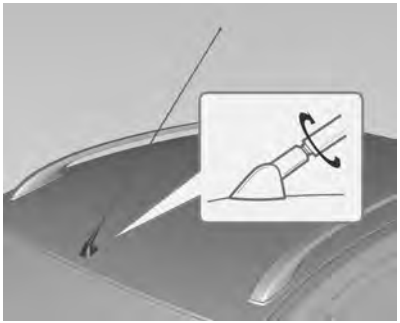
Press the **TP** button.

Fixed mast antenna

Only for Type A



Only for Type B



To remove the roof antenna, rotate it counterclockwise. To install the roof antenna, rotate it clockwise.

Caution

Be sure to remove the antenna before entering a place with a low ceiling or it may be damaged.

Entering the automatic car wash with the antenna installed may result in damage to the antenna or the roof panel. Be sure to remove your antenna before entering the automatic car wash.

Ensure the antenna is tightened correctly and in the fully upright position for maximum reception.

Audio players

CD player

The CD/MP3 player of this system can play audio CD and MP3 (WMA) discs.

Before using the CD player

Important information about audio CD and MP3 (WMA) discs

Caution

In any case, do not insert any DVDs, mini disks with a diameter of 8 cm, or discs with abnormal surfaces in this CD/MP3 (WMA) player.

Do not put any stickers on the disk surface. Such disks may get stuck in the CD player, and damage the drive device. If this occurs, then the device will need to be replaced at high costs.

- An audio CD disc with an anti-piracy function with no compatibility with the audio CD standard may not work properly or not at all.
- CD-R and CD-RW discs that are manually recorded are easier to be handled with carelessness than the original CD discs. Manually recorded CD-R and CD-RW discs should especially be handled with care. Please refer to the following.
- Manually recorded CD-R and CD-RW discs may not play properly or at all. In such cases, this is not a problem with the device.
- When changing discs, take care not to smear any fingerprints on the playing side.
- After removing the disc from the CD/MP3 player, make sure to immediately put the disc into a disc sleeve to prevent it from being damaged or smeared with dust.
- If the disc is smeared with dust or liquid, then this may cause problems by contaminating the lens of the CD/MP3 player inside the device.
- Protect the disc from heat and exposure to direct light.

Usable disc type

- This product can play Audio CD/ MP3 (WMA) discs.
  - CD-DA: CD-R/CD-RW
  - MP3 (WMA): CD-R/CD-RW/CD-ROM
- The MP3 (WMA) files below cannot be played.
  - Files encoded in MP3i (MP3 interactive) or MP3 PRO standards
  - MP3 (WMA) files encoded in non-standards
  - MP3 files that are not in MPEG1 Layer3 format

Cautions for using discs

- Do not use any of the discs described below. Excessive use of these discs in the player may cause problems.
  - Discs with stickers, labels, or a protective cell attached
  - Discs affixed with a label printed with an inkjet printer
  - Discs that are made by over-burning, thus holding data exceeding the standard capacity
  - Discs with cracks or scratches or which are bent will not be played properly
  - An 8 cm disc or a non-circular disc (quadrangle, pentagon, oval)
- Do not put anything other than discs in the disc slot since this may cause trouble or damage.
- The disc player may not work properly if the heater is turned on in cold weather due to moisture created inside the device. If this is a concern, keep the product off for about one hour before use.

- Play may be stopped due to the vehicle shaking while driving on rugged roads.
- Do not forcefully take out or insert the disc or block it with your hand while it is being ejected.
- Insert the disc with the printed side facing up. It cannot be played if it is inserted upside down.
- Do not touch the recording side with your hand while handling the disc (the side without any print or decoration).
- Place discs that are not being used in cases, and keep them in a place not exposed to direct light or high temperatures.
- Do not smear any chemical substances on the disc. Clean discs of dirt with a moist, soft cloth, wiping from the centre to the edge.

Caution for using CD-R/RW disc

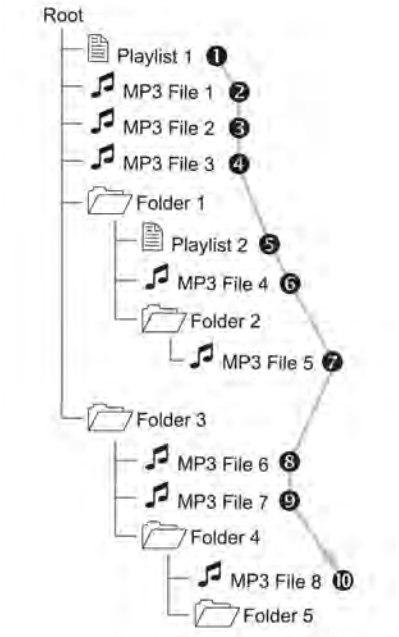
- When using CD-R/CD-RW discs, only the discs that have been "finalised" can be used.
- Discs that are created with a PC may not play according to the application program setup and environment.
- CD-R/CD-RW discs, especially bulk discs, may not work if they are directly exposed to direct light or high temperatures, or if they are kept inside your car for a long time.
- The title and other text information recorded on CD-R/CD-RW discs may not be displayed on this device.
- CD-RW discs may have longer loading times than CDs or CD-R discs.
- Damaged music files may not be played or will be cut off while playing.
- Some anti-piracy discs may not be played.
- An MP3 (WMA) disc can have a maximum of 512 files for each of the 10 folder levels, and a maximum number of 999 files can be played.
- This system can only recognize MP3 (WMA) discs made in ISO-9660 level 1/2 or in the Joliet file system. (It does not support the UDF file system.)
- MP3/WMA files are not compatible with packet writing data transmission.
- The disc on which MP3/WMA files and audio data (CDDA) are written may not be played if it is a CD-Extra or Mixed-Mode CD.
- The file/folder names that can be used per disc storage type are the following ones, including the four-digit file name extensions (.mp3).
  - ISO 9660 Level 1: Maximum of 12 characters
  - ISO 9660 Level 2: Maximum of 31 characters

- Joliet: Maximum of 64 characters (1 byte)
- Windows long file name: Maximum of 28 Characters (1 byte)

Caution for using MP3/WMA music files

- This product can play MP3 (WMA) files with .mp3, .wma (lower case letters) or .MP3 and .WMA (capital letters) file name extensions.
- MP3 files that can be played by this product are the following ones:
  - Bit rate: 8 kbps ~ 320 kbps
  - Sampling frequency: 48 kHz, 44.1 kHz, 32 kHz (for MPEG-1), 24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
- While this product can play files with a 8kbps ~ 320kbps bit rate, files with a bit rate above 128kbps will result in high quality sound.
- This product can display ID3 Tag (Version 1.0, 1.1, 2.2, 2.3 or 2.4) information for MP3 files, such as the album name and the artist.
- To display the album (disc title), track (track title), and artist (track artist) information, the file should be compatible with the ID3 Tag V1 and V2 formats.
- This product can play MP3 files using VBR. When playing an MP3 file of this VBR type, the remaining time displayed may be different from the real time.

Order of playing music files



Playing CD/MP3

Main buttons/control

(9) **CD/AUX** button

Select the CD/MP3 player.

(14) **MENU-TUNE** button with control knob

- Turn the **MENU-TUNE** control knob to move to the track list, menu, or MP3 (WMA) track information item.
- Press the **MENU-TUNE** button to display the menu screen for the current item or current mode.

(8) ⏮**SEEK**⏭ buttons

- Press these buttons to play the previous or next track.
- Hold down these buttons to rewind or fast forward through the track, and release the button to resume playing at normal speed.

(4) **EJECT** ⏏ button

Eject the disc.

(7) INFORMATION [**INFO**] button

Displays the information for the track being played.

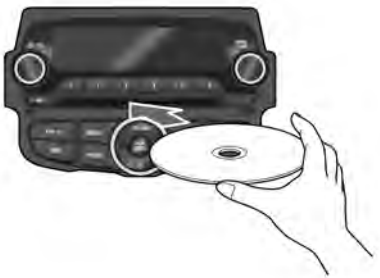
(15) ⇦ **BACK** button

Cancel the input item or return to the previous screen/menu.

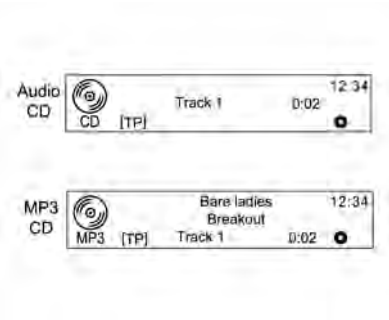
(16) **PHONE** [✆] / **MUTE** [🔇]

Press the button to turn the mute function on or off.

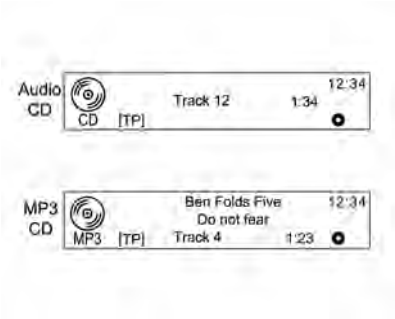
Insert disc



Insert the disc to be played with the printed surface facing upward in the disc inserting slot.



- Once the reading of the disc information is completed, it will automatically play from track 1.
- When a non-readable disc is inserted, the disc will automatically be ejected with the display of a disc error message, and then the system will switch to the previously used function or the FM radio.



When a disc to be played is already inserted, repeatedly press the **CD/ AUX** button to select CD/MP3 play.

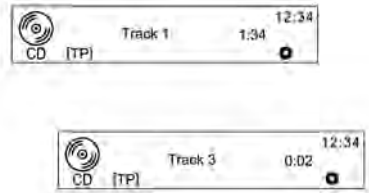
- If there is no disc to be played, **No CD Inserted** will be displayed on the screen and the function will not be selected.
- The track that was previously played will automatically play.

Eject disc

To eject the disc, press the EJECT ⏏ button to take out the disc.

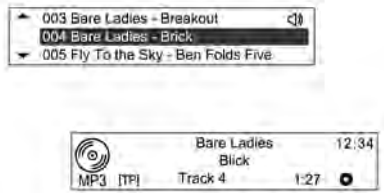
- When the disc comes out, the Infotainment system automatically switches to the previously used function or the FM radio.
- The disc will automatically be inserted back again if it is not taken out for some time.

Changing the playing track



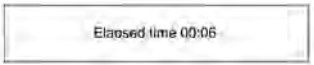
Press the ⏮**SEEK**⏭ buttons in play mode to play the previous or next track.

Using the steering wheel remote control knob, tracks can be easily changed by pressing the **SEEK** button.



Or turn the **MENU-TUNE** control knob to move to the play track list, and then press the **MENU-TUNE** button to instantly change it.

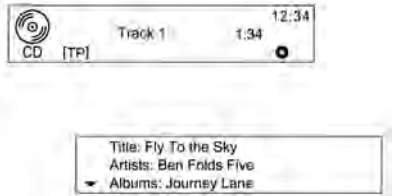
Changing the playing position



Hold down the ⏮**SEEK**⏭ buttons during play mode to rewind or fast forward through the song. Release the button to resume playing the song at normal speed.

The volume is slightly reduced during rewinding and fast forwarding, and the playing time will be displayed.

View information on playing track



Press the INFORMATION [**INFO**] button in play mode to display information about the track being played.

If there is no information on the playing track for audio CDs, then the system will display **No information**.

For MP3 (WMA) tracks, more information can be viewed by turning the **MENU-TUNE** control knob from the track information display.

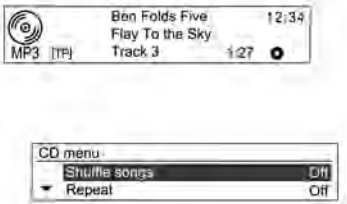
- The information displayed includes the file name, folder name, and ID3 Tag information saved with the song.

  If incorrect ID3 Tag information (e.g. artist, song title) was added to MP3 (WMA) files before they are burnt to disc, this information will be displayed as is by the Infotainment system.

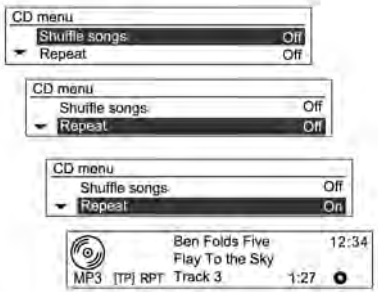
  Incorrect ID3 Tag information cannot be modified or corrected on the Infotainment system (ID3 Tags can only be corrected on a PC).
- The information for songs expressed in special symbols or in unavailable languages may be displayed as ---- or are not displayed at all.

Using the CD Menu

Changing the playback mode

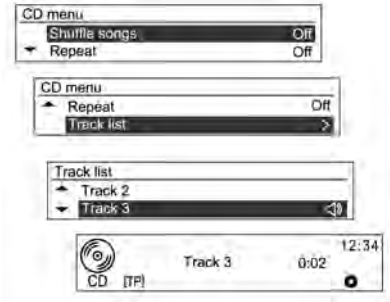


From the CD/MP3 play mode, press the **MENU-TUNE** button to display the **CD menu**.



Turn the **MENU-TUNE** control knob to select the **Shuffle songs** or **Repeat** playback functions, and then press the **MENU-TUNE** button to turn the relevant functions **On** or **Off**.

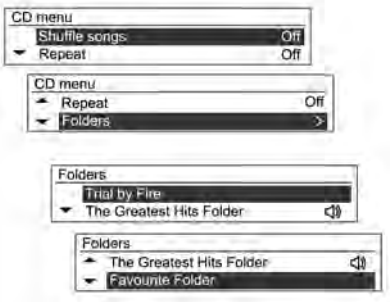
CD Menu → Track list



For audio CD discs, turn the **MENU-TUNE** control knob from the **CD menu** to move to the **Track list**, and then press the **MENU-TUNE** button.

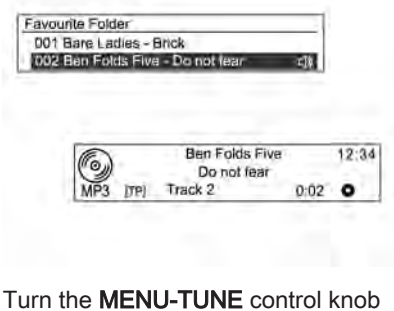
Turn the **MENU-TUNE** control knob to find the desired **Track list**, and then press the **MENU-TUNE** button to play the selected track.

CD menu → Folders



For MP3 (WMA) discs, turn the **MENU-TUNE** control knob from the **CD menu** to move to **Folders**, and then press the **MENU-TUNE** button.

Turn the **MENU-TUNE** control knob to move to the desired folder, and then press the **MENU-TUNE** button.



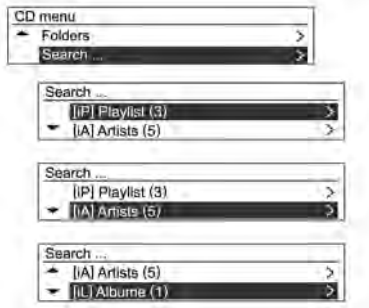
Turn the **MENU-TUNE** control knob to find the desired track, and then press the **MENU-TUNE** button to play the selected track from the selected folder.

CD Menu → Search...

For MP3 (WMA) discs, turn the **MENU-TUNE** control knob from the **CD menu**, move to **Search...**, and then press the **MENU-TUNE** button.

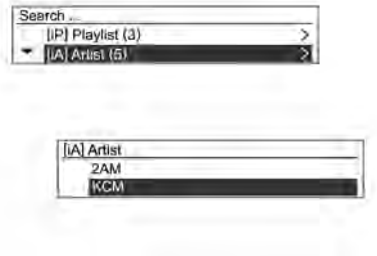
- After the system reads the disc information, the first song of the playlist [**iP**] will be displayed.
- If there are no music files in the playlist [**iP**], the first song for each artist [**iA**] will be displayed.

However, it may take a long time to read the disc depending on the number of music files.



Press the **MENU-TUNE** button again, and from the displayed search item, turn the **MENU-TUNE** control to select the desired search item.

The number of relevant songs will be displayed by Playlist [**iP**]/Artist [**iA**]/ Album [**iL**]/Song Title [**iS**]/Genre [**iG**].



Turn the **MENU-TUNE** control knob to move to the detailed classification item, and then press the **MENU-TUNE** button.

Turn the **MENU-TUNE** control knob to find the desired track/title, and then press the **MENU-TUNE** button to play the selected track.

Auxiliary devices

USB player

If your vehicle has auxiliary devices you can use the AUX port and USB port to connect audio devices.

Cautions for using USB devices

- Operation cannot be guaranteed if the HDD built-in USB mass storage device or CF or SD memory card is connected by using a USB adapter. Use a USB of flash memory type storage device.
- Take caution to avoid static electricity discharge when connecting or disconnecting the USB. If connection and disconnection are repeated many times in a short time, this may cause a problem in using the device.
- To separate the USB device, use **USB Menu → Remove USB** by using the **MENU-TUNE** button to carry out the removal of the USB device.
- Operation is not guaranteed if the connecting terminal of the USB device is not metal.
- Connection with i-Stick Type USB storage devices may be faulty due to vehicle vibration, so their operation cannot be guaranteed.
- Be careful not to touch the USB connecting terminal with an object or any part of your body.
- The USB storage device can only be recognised when it is formatted in FAT16/32 file format. Only devices with an allocated unit size of 512 Byte/Sector or 2,048 Byte/Sector can be used. NTFS and other file systems cannot be recognised.
- According to the type and capacity of the USB storage device and the type of the stored file, the time it takes to recognise the files may differ. This is not a problem with the product in this case, so please wait for the files to be processed.
- Files in some USB storage devices may not be recognised due to compatibility problems, and connections with a memory reader or a USB hub are not supported. Please check the device's operation in the vehicle before use.
- When devices such as an MP3 player, mobile phone, or digital camera are connected through a mobile disc, it may not operate normally.

- Do not disconnect the USB storage device while it is being played. This may cause damage to the product or the performance of the USB device.
- Disconnect the connected USB storage device when the vehicle ignition is turned off. If the ignition is turned on while the USB storage device is connected, the USB storage device may be damaged or may not operate normally in some cases.

Caution

USB storage devices can only be connected to this product for the purpose of playing music files.

The product's USB terminal should not be used to charge USB accessory equipment since the heat generation using the USB terminal may cause performance issues or damage to the product.

- When the logical drive is separated from a mass USB storage device, only the files from the top-level logical drive can be played for USB music files. This is the reason that the music files to be played should be stored in the top-level drive of the device. Music files, in particular USB storage devices, may also not be normally played if an application is loaded by partitioning a separate drive inside the USB device.
- Music files to which DRM (Digital Right Management) is applied cannot be played.
- This product can support USB storage devices that are up to 16 Gigabytes in capacity with a limit of 999 files, 512 folders, and 10 stages of folder structure. Normal usage cannot be guaranteed for storage devices that exceed this limit.

Caution for using USB music files

- Damaged music files may be cut-off during playback or may not be played at all.
- Folders and music files are displayed in the order of Symbol → Number → Language
- A maximum of 64 characters can be recognised for folder or file names written in the Joliet file system.

About MP3 (WMA) music files

- The MP3 files that can be played are the following ones.
  - Bit rate: 8 kbps ~ 320 kbps
  - Sampling frequency:

    48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)

    24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
- This product displays MP3 (WMA) files with the mp3, .wma (lower case letters) or .MP3 or .WMA (capital letters) file name extensions.

- This product can display ID3 tag (Version 1.0, 1.1, 2.2, 2.3, 2.4) information about album, artist, etc. for MP3 files.
- The file/folder names that can be used according to the storage type are the following ones, including the four character file name extension (.mp3).
  - ISO 9660 Level 1: Maximum of 12 characters
  - ISO 9660 Level 2: Maximum of 31 characters
  - Joliet: Maximum of 64 characters (1 byte)
  - Windows long file name: maximum of 28 characters (1 byte)
- This product can play MP3 files which use VBR. When a VBR type MP3 file is being played, the remaining time displayed may be different from the actual time remaining.

Main buttons/control knob

The following main buttons and controls are used to play USB music files.

(9) **CD/AUX** button

Press the button repeatedly when the USB device is connected to select the USB play mode.

(14) **MENU-TUNE** button with control knob

- Turn the control knob to move to the track list, menu or MP3 (WMA) track information.
- Press the button to display the menu screen provided by the current item or current mode.

(8) ⏮**SEEK**⏭ buttons

- Press these buttons to play the previous or next track.
- Hold down these buttons to rewind or fast forward, and then release to play at normal speed.

(7) INFORMATION [**INFO**] button

Displays the information of the track being played.

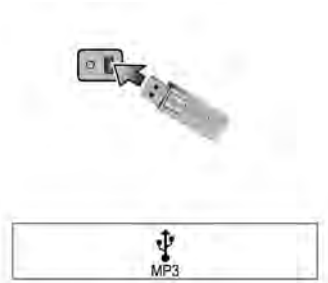
(15) ⇦ **BACK** button

Cancel the input item or return to the previous menu.

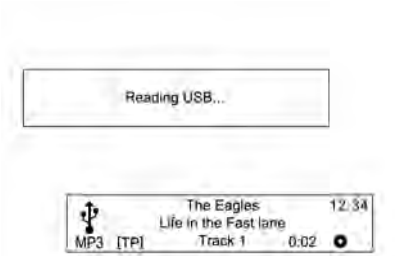
(16) **PHONE** [✆] / **MUTE** [🔇]

Press the button to turn the mute function on or off.

Connecting the USB Storage Device



Connect the USB storage device with music files to be played to the USB connecting terminal.



- Once the product finishes reading the information on the USB storage device, it will automatically play.
- If a non-readable USB storage device is connected, then an error message will appear and the product will automatically switch to the previously used function or the FM radio function.

If the USB storage device to be played is already connected, repeatedly press the **CD/AUX** button to select the USB player.

It will automatically play from the previous playing point.

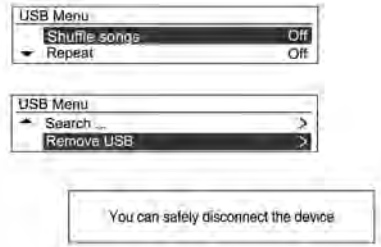
Afterwards, the functions of the USB player are operated similarly to CD/ MP3 playback.

Ending USB music files playback
Press the **RADIO BAND** or **CD/AUX** button to select other functions.

To end play and disconnect the USB storage device, use the **USB Menu** → **Remove USB** function to safely remove the USB storage device.

Using the USB menu
The instructions for **Shuffle songs** / **Repeat** / **Folders** / **Search...** from the **USB Menu** are similar to the CD/MP3 player's **CD menu**; only the **Remove USB** item has been added. Refer to the CD/MP3 player functions from the **CD menu**.

USB Menu → Remove USB



Press the **MENU-TUNE** button from play mode to display the **USB Menu**. Turn the **MENU-TUNE** control knob to move to **Remove USB**, and then press the **MENU-TUNE** button to display the message notifying you that it is safe to remove the USB device.

Disconnect the USB device from the USB connection terminal.

Return to the previously used function.

iPod player

Main buttons/control knob

The following main buttons and controls are used to play iPod music files.

(9) **CD/AUX** button

Press the button repeatedly when the iPod is connected to select the iPod play mode.

(14) **MENU-TUNE** button with control knob

- Turn the control knob to move and display the track list that is playing.
- Press the button to display the menu screen provided by the current item or current mode.

(8) ⏮**SEEK**⏭ buttons

- Press these buttons to play the previous or next track.
- Hold down these buttons to rewind or fast forward, and then release to play at normal speed.

(7) INFORMATION [**INFO**] button

Displays the information of the track being played.

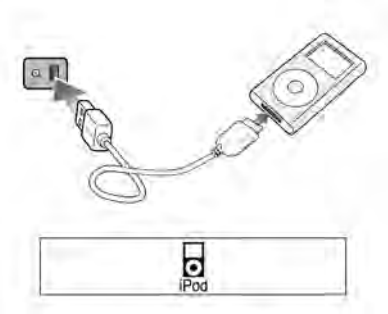
(15) ⇦ **BACK** button

Cancel the previous item or return to the previous menu.

(16) **PHONE** [✆] / **MUTE** [🔇]

Press the button to turn the mute function on or off.

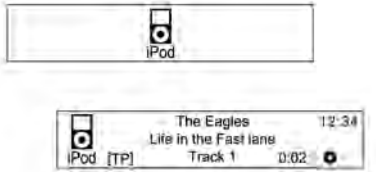
Connecting the iPod player



Connect the iPod with music files to be played to the USB connecting terminal.

Some iPod/iPhone product models may not be supported.

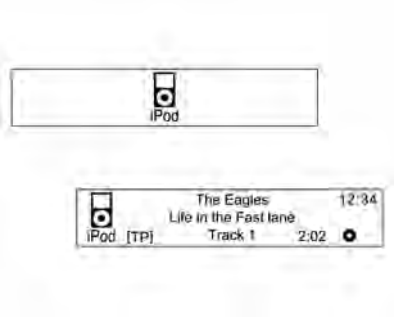
Only connect the iPod to this product with connection cables supported by iPod products. Other connection cables cannot be used.



- In some cases, the iPod product may be damaged if the ignition is turned off when it is connected to the product.

  When the iPod product is not being used, keep it separately from this product with the car ignition turned off.

- Once the product finishes reading the information on the iPod device, it will play automatically.
- If a non-readable iPod device is connected, then the relevant error message will appear and the product will automatically switch to the previously used function or the FM radio function.



If the iPod device to be played is already connected, repeatedly press **CD/AUX** button to select the iPod player.

- It will automatically play from the previously played point.
- The playback functions and the information display items of the iPod player used with this product may be different from the iPod in terms of play order, method, and the information displayed.
- Refer to the following table for the classification items related to the search function provided by the iPod product.

	Step 1	Step 2	Step 3	Step4
Playlist	Playlist	Song		
Genre	Genre	Artist	Album	Song
Artist	Artist	Album	Song	
Composer	Composer	Album	Song	
Album	Album	Song		
Audiobooks	Song			
Songs	Song			
Podcasts	Program	Episode		

Afterwards, the functions to play the iPod are operated similarly to CD/ MP3 playback.

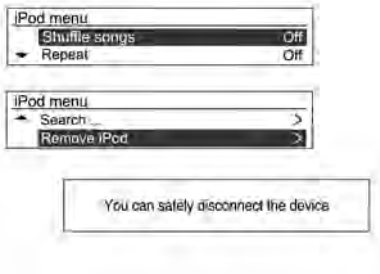
Log-off iPod playback

To end playback, press the **RADIO BAND** or **CD/AUX** button to select other functions.

Using the iPod menu

From the **iPod menu**, the instructions for **Shuffle songs** / **Repeat** / **Folders** / **Search...** (including Audio books and Composers) are similar to the CD/ MP3 player's **CD menu**; only the **Eject iPod** item has been added. Refer to each item of CD/MP3 for use.

iPod menu → Eject iPod



Press the **MENU-TUNE** button from play mode to display the **iPod menu**.

Turn the **MENU-TUNE** control knob to move to the **Eject iPod** function, and then press the **MENU-TUNE** button to display the message notifying you that it is safe to remove the device.

Separate the iPod device from the USB connection terminal.

Return to the previously used function.

Exterior Sound (AUX) Input

Main buttons/control knob

The following main buttons and controls are used to enjoy the rich sound of the Infotainment system from the sound output of a connected exterior sound device.

(9) **CD/AUX** button

When an exterior sound device connected, press the button repeatedly to select the exterior sound (AUX) input mode.

(2) **POWER/VOLUME** control knob

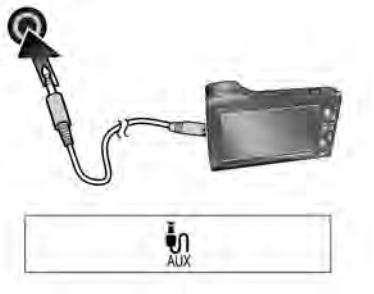
Turn the control knob to adjust the volume.

(16) **PHONE** [✆] / **MUTE** [🔇]

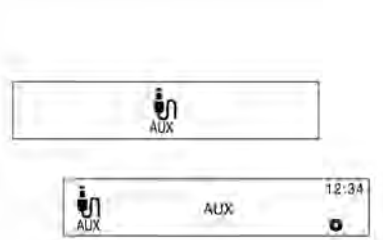
Press the button to turn the mute function on or off.

Connecting an exterior sound

Connect the audio output of the external audio equipment to AUX input terminal.



The Infotainment system will automatically switch to the exterior sound (AUX) input mode when the exterior sound device is connected.



Press the **CD/AUX** button to switch to the exterior sound input mode if the exterior sound system has already been connected.

Turn the **POWER/VOLUME** control knob to adjust the volume.

Climate control

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Climate control systems

Heating and ventilation system

Type 1

Type 2

Controls for:

- Temperature
- Air distribution
- Fan speed
- Heating
- Defrosting windscreen
- Air recirculation
- Heated rear window ⇨ 27.

Temperature

Adjust the temperature by turning the knob.

red = warm
blue = cold

Heating will not be fully effective until the engine has reached normal operating temperature.

Air distribution

Select air outlet by turning the centered knob.

- = to head area and foot well
- = to foot well, with a small amount of the air being directed to windscreen, front door windows and side air vents.
- = to head area via adjustable air vents
- = to windscreen and foot well, with a small amount of the air being directed to front door windows and side air vents.
- = to windscreen and front door windows, with a small amount of the air being directed to side air vents.

Fan speed

Adjust the air flow by switching the fan to the desired speed.

Heating

Normal heating

1. **Type 1:** Move recirculation lever to the right for the recirculation mode.

   Type 2: Press the recirculation button for the recirculation mode. An indicator light comes on to show that the recirculation is on.
2. Turn air distribution knob.
3. Turn fan control knob to desired speed.

Maximum heating

Use the maximum heating mode for quick heating of the passenger area.

Do not use it for lengthy periods. It can result in an accident because the interior air may become stale and the windows may fog causing loss of driver's visibility.

To clear the windows:

Type 1: Turn the air distribution knob to and move the recirculation lever to the left to allow fresh air into the vehicle.

Type 2: Turn the air distribution knob to and set the recirculation mode to outside air mode to allow fresh air into the vehicle.

For maximum heating:

1. **Type 1:** Move recirculation lever to the right for the recirculation mode.

   Type 2: Press the recirculation button for the recirculation mode. An indicator light comes on to show that the recirculation is on.
2. Turn temperature control knob all the way to the red area for heating.
3. Turn fan control knob to maximum speed.

Defrosting the windscreen

Type 1

Type 2

1. **Type 1:** Set the recirculation mode to outside air mode and turn the air distribution knob to DEFROST.

   Type 2: Turn the air distribution knob to DEFROST, then the recirculation mode is fixed to outside air mode automatically. The air conditioning system operates but the indicator light is not changed.
2. Turn temperature control knob to red area for warm air.
3. Adjust the fan control knob to highest speed for quick defrosting.
4. Open side air vents as required and direct them towards the door windows.

Caution

The difference between the outside air and the temperature of the windscreen can cause the windows to fog, thereby restricting your front vision.

Do not use FLOOR/DEFROST or DEFROST in extremely humid weather when the temperature control knob is set to the blue area.

This can lead to an accident which can damage your vehicle and cause personal injuries.

Air recirculation system

Type 1

The air recirculation mode is operated with the lever.

Type 2

The air recirculation mode is operated with the button.

An indicator light comes on to show that the recirculation is on.

* When operating in DEFROST mode, recirculation is to be fixed to outside air mode to provide fast clear vision condition of windscreen.

⚠Warning

Driving with recirculation mode for prolonged period of time can make you sleepy. Periodically turn to the outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Heated rear window

The heated rear window is operated with the button.

An indicator light comes on to show that the feature is on.

Heated rear window ⇨ 27.

Air conditioning system

⚠Warning

Do not sleep in a vehicle with the air conditioning or heating system on. It may cause serious harm or death due to a drop in oxygen content and/or body temperature.

Type 1

Type 2

Controls for:

- Temperature
- Air distribution
- Fan speed
- Demisting and Defrosting
- Air recirculation
- Cooling
- Heated rear window

Temperature

Adjust the temperature by turning the knob.

red = warm
blue = cold

Air distribution

Select air outlet by turning the centered knob.

- = to head area and foot well
- = to foot well, with a small amount of the air being directed to windscreen, front door windows and side air vents.
- = to head area via adjustable air vents
- = to windscreen and foot well, with a small amount of the air being directed to front door windows and side air vents.
- = to windscreen and front door windows, with a small amount of the air being directed to side air vents.

Fan speed

Adjust the air flow by switching the fan to the desired speed.

Demisting the windscreen

Type 1

Type 2

1. **Type 1:** Set the recirculation mode to outside air mode and turn the air distribution knob to DEFROST.

   Type 2: Turn the air distribution knob to DEFROST, then the recirculation mode is fixed to outside air mode automatically.
2. **Type 1:** Switch on cooling.

   Type 2: The air conditioning system operates but the indicator light is not changed.
3. Select desired temperature.
4. Adjust the fan control knob to the desired speed.

Air recirculation system

Type 1

The air recirculation mode is operated with the lever.

Type 2

The air recirculation mode is operated with the button.

An indicator light comes on to show that the recirculation is on.

* When operating in DEFROST mode, recirculation is to be fixed to outside air mode to provide fast clear vision condition of windscreen.

⚠Warning

Driving with recirculation mode for prolonged period of time can make you sleepy. Periodically turn to the outside air mode for fresh air.

The exchange of fresh air is reduced in air recirculation mode. In operation without cooling the air humidity increases, so the windows may mist up. The quality of the passenger compartment air deteriorates, which may cause the vehicle occupants to feel drowsy.

Cooling ☼

Type 1:

Operated with the ☼ button and is functional only when the engine and fan are running.

Type 2:

Operated with the ☼ button and is functional only when the engine and fan are running. An indicator light comes on to show that the air conditioning is on.

* When operating in Defrost mode, A/C switch comes on and is to be fixed to A/C ON without indicator status change.

The air conditioning system cools and dehumidifies (dries) as soon as outside temperature is a little above the freezing point. Therefore condensation may form and drip from under the vehicle.

If no cooling or drying is required, switch off the cooling system to save fuel.

The air conditioning will not operate when the fan control knob is in the off position.

Even though the air-conditioning is turned on, the vehicle will produce warm air if the temperature knob is set to the red area.

To turn off the air conditioning system, turn the fan knob to 0.

Caution

Use only correct refrigerant

⚠Warning

Climate control systems have to be serviced exclusively by qualified personnel. Improper service methods may cause personal injury.

Normal cooling

1. Operate the air conditioning system.
2. Turn temperature control knob to blue area for cooling.
3. Turn the air distribution knob.
4. Adjust the fan control knob to the desired speed.

Maximum cooling
Type 1

Type 2

To achieve maximum cooling during hot weather and when your vehicle has been exposed to the sun for a long time:

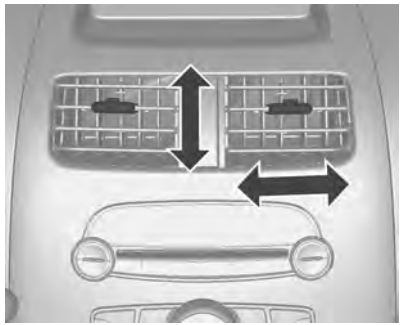
1. Operate the air conditioning system.
2. **Type 1:** Move recirculation lever to the right for the recirculation mode.

   Type 2: Press the recirculation button for the recirculation mode.
3. Turn temperature control knob all the way to the blue area for cooling.
4. Turn fan control knob to highest speed.

Air vents

Adjustable air vents

At least one air vent must be open while cooling is on in order to prevent the evaporator from icing up due to lack of air movement.



The center vent is not closed completely.

Direct the flow of air by tilting and swiveling the slats.

Press the cover of each vent to open the side vents, and rotate it to the direction you want.

If you do not want the flow, close the cover of the vent.

⚠Warning

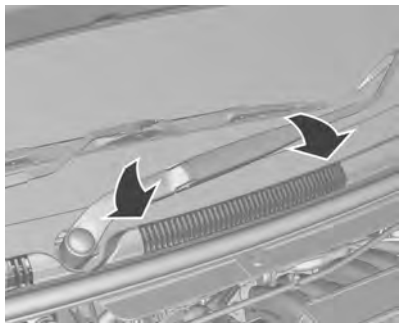
Do not attach any objects to the slats of the air vents. Risk of damage and injury in case of an accident.

Fixed air vents

Additional air vents are located beneath the windscreen and front door windows and in the foot wells.

Maintenance

Air intake

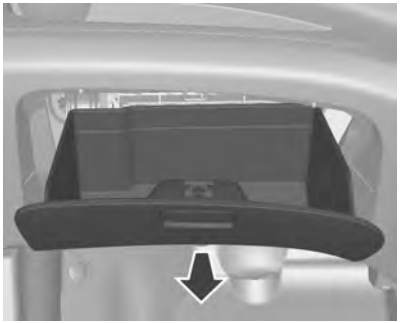


The air intake in front of the windscreen in the engine compartment must be kept clear to allow air intake. Remove any leaves, dirt or snow.

Pollen filter

Passenger compartment air filter

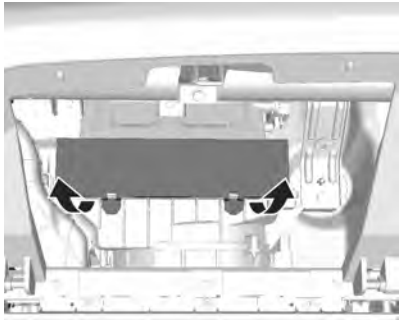
The filter cleans dust, soot, pollen and spores from the air entering the vehicle through the air intake.



Filter replacement:

1. Remove the glovebox.

   To remove the glovebox, open and pull it up on each side.



2. Remove the filter cover by pulling up the cover.
3. Replace the passenger compartment air filter.
4. Assemble the filter cover and glovebox in reverse order

Note

We recommend that you consult your authorised workshop to replace the filter.

Caution
More frequent maintenance of the passenger compartment air filter is required if the driving circumstances are dusty roads, air pollution areas, and frequent unpaved roads. The filter efficiency is decreased and the bronchus is badly affected.

Air conditioning regular operation

In order to ensure continuously efficient performance, cooling must be operated for a few minutes once a month, irrespective of the weather and time of year. Operation with cooling is not possible when outside temperature is low.

Service

For optimal cooling performance, it is recommended to annually check the climate control system:

- Functionality and pressure test
- Heating functionality
- Leakage check
- Check of drive belts
- Cleaning of condenser and evaporator drainage
- Performance check

Caution
Use only correct refrigerant

⚠Warning
Climate control systems have to be serviced exclusively by qualified personnel. Improper service methods may cause personal injury.

Driving and operating

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Driving hints

Control of the vehicle

Never coast with engine not running

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others.

Pedals

To ensure the pedal travel is uninhibited, there must be no mats in the area of the pedals.

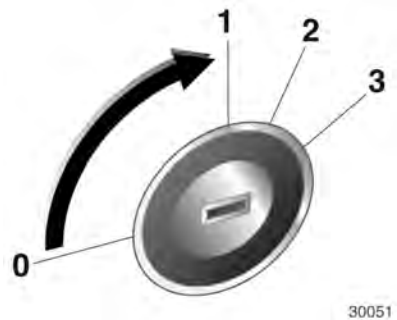
Starting and operating

New vehicle running-in

Use the following precautions for the first few hundred miles to improve the performance and economy of your vehicle and add to its long life:

- Avoid full-throttle starts.
- Do not race the engine.
- Avoid hard stops except in emergencies. This will allow your brakes to bed in properly.
- Avoid quick starts, sudden accelerations, and prolonged highspeed driving in order to avoid damage to the engine and to conserve fuel.
- Avoid full-throttle acceleration in low gear.
- Do not tow any other vehicle.

Ignition switch positions



0 (LOCK) = Ignition off
1 (ACC) = Ignition off, steering wheel lock released
2 (ON) = Ignition on
3 (START) = Starting

⚠ Danger

Do not turn the key to 0 or 1 position while driving.

Vehicle and brake assistance would not operate, causing vehicle damage, personal injury or possibly death.

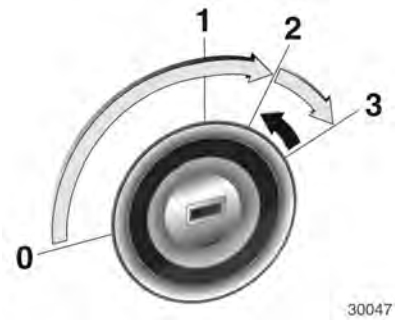
Caution

Do not leave the key in 1 or 2 position for extended periods while the engine is not running.

This will discharge the battery.

Starting the engine

Starting engine with the ignition switch



- Turn the key to position 1, move the steering wheel slightly to release the steering wheel lock
- Manual transmission: operate clutch
- Automatic transmission : Move selector lever to P or N.

- Do not operate accelerator pedal.
- Turn the key to position 3, depressing the clutch pedal and footbrake then release when engine is running

Before restarting or to switch off the engine, turn key back to **0**.

Caution

Do not operate starter motor for more than 10 seconds at a time.

If the engine does not start, wait 10 seconds before trying again.

This will prevent starter motor damage.

Parking

- Do not park the vehicle on an easily ignitable surface. The high temperature of the exhaust system could ignite the surface.
- Always apply parking brake without pressing release button. Apply as firmly as possible on downhill or uphill slopes. Depress the foot brake at the same time to reduce operating force.
- Switch off the engine and ignition. Turn the steering wheel until the steering wheel lock engages.
- If the vehicle is on a level surface or uphill slope, engage first gear before switching off the ignition. On an uphill slope, turn the front wheels away from the kerb.

  If the vehicle is on a downhill slope, engage reverse gear before switching off the ignition. Turn the front wheels towards the kerb.
- Lock the vehicle and activate the anti-theft alarm system.

Engine exhaust

⚠ Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by a workshop.

Avoid driving with an open load compartment, otherwise exhaust gases could enter the vehicle.

Catalytic converter

The catalytic converter reduces the amount of harmful substances in the exhaust gas.

Caution

Fuel grades other than those listed on pages ⇨ 139, ⇨ 194 could damage the catalytic converter or electronic components.

Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

In the event of misfiring, uneven engine running, a reduction in engine performance or other unusual problems, have the cause of the fault rectified by a workshop as soon as possible. In an emergency, driving can be continued for a short period, keeping vehicle speed and engine speed low.

Automatic transmission

The automatic transmission is an electronically controlled four-speed transmission.

Fourth gear is overdrive.

Starting the vehicle

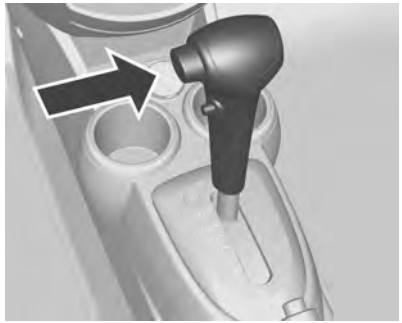
1. After warming up the engine, continue to press the brake pedal while shifting the selector lever to either the R, D, 2 or 1 position.

Caution

Do not shift between D (Drive) and R (Reverse) or P (Park) while the vehicle is moving. This will cause damage to your transmission and personal injury.

2. Release the parking brake and the brake pedal.
3. Slowly press the accelerator pedal to set the vehicle in motion.

Selector lever



P (PARK): Locks the front wheels. Select P only when the vehicle is stationary and the parking brake is applied.

R (REVERSE): Select R only when the vehicle is stationary.

N (NEUTRAL): Neutral gear position.

D: This drive position is for all normal driving conditions. Allows the transmission to shift into all four forward gears. Fourth gear is overdrive which reduces engine speed and noise level while increasing fuel economy.

2: Allows the transmission to shift from 1st to 2nd gear and prevents automatic shifting into 3rd or 4th gear.

Select drive range 2 for more power when climbing hills and for engine braking when driving down steep hills.

1: This position locks the transmission in first gear.

Select 1 for maximum engine braking when driving down severe grades.

Caution

Do not accelerate while engaging a gear.

Never depress the accelerator pedal and brake pedal at the same time.

When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

Do not use the P (Park) position in place of the parking brake.

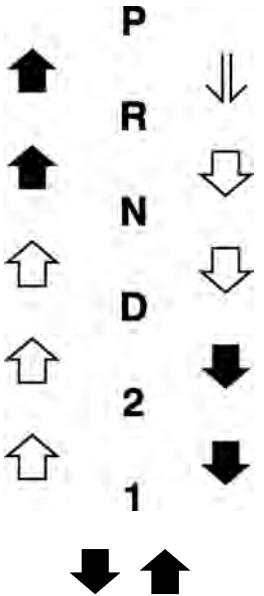
Turn off the engine, apply the parking brake, and remove the ignition key when leaving the vehicle.

Never leave the vehicle unattended while the engine is running.

Shifting between gear positions

Movement between certain gear positions requires pressing the release button on the side of the selector lever.

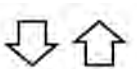
Follow the descriptions as indicated by the arrows when shifting the selector lever.



Push the release button to shift. Arrows indicate shifts that do not require you to push the release button.

Depress the brake pedal and push release button to shift.

Shifts that require you to push the release button are indicated by arrows.



Shift freely.

⚠Warning

To help prevent damage to the transmission, observe the following precautions:

Do not press the accelerator pedal while shifting from P or N to R, D, 2 or 1.

To do so may not only damage the transmission, but could cause you to lose control of the vehicle.

Use D as much as possible.

Never shift to P or R while the vehicle is in motion.

When stopping the vehicle on an uphill grade, do not hold the vehicle in place by pressing the accelerator pedal. Use the foot brake.

Press the brake pedal when shifting from P or N to R or a forward gear.

Otherwise transmission could be damaged or vehicle could move unexpectedly, causing driver to lose control of the vehicle, resulting in personal injury or damage to the vehicle or other property.

Engine braking

To help use the braking effect of engine compression when driving on a long downhill:

For automatic transmission, select the drive range "2" or "1" if necessary.

Engine braking is the most effective in drive range "1". If drive range "1" is selected at too high speed, the transmission remains in current gear until the vehicle slows down.

Select drive range "2" for ordinary engine braking effect. For even greater slowing ability, select "1".

Note

Use of engine compression during long mountainous descents may prolong the life of your brakes.

Rocking the vehicle

Rocking the vehicle is only permissible if the vehicle is stuck in sand, mud or snow.

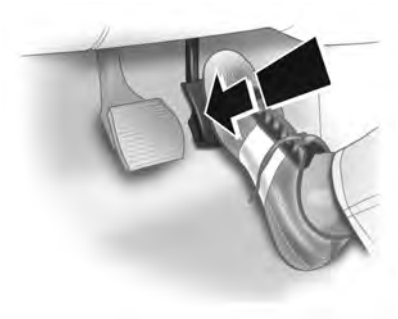
Move the selector lever between D and R in a repeat pattern.

Do not race the engine and avoid sudden acceleration.

Parking

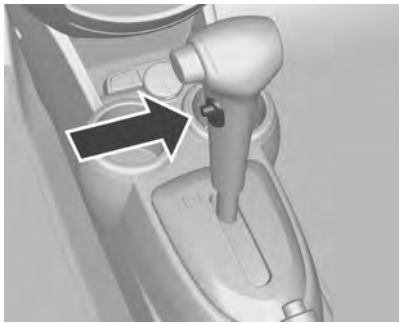
After stopping the vehicle by pressing the brake pedal, engage P and pull the lever up firmly and then remove ignition key.

Kickdown



For faster acceleration press the accelerator pedal all the way down and hold. The transmission shifts to a lower gear depending on the engine speed.

Overdrive off



The fourth gear of your automatic transmission is an overdrive.

To cancel the overdrive function, press the overdrive button, and the O/D OFF indicator in the warning telltale box will be ON.

The O/D OFF function can be used when undesirable shifting to fourth gear happens such as on a long uphill gradient.

Note
In normal driving conditions, drive with the overdrive function activated for fuel economy.

Fault

In the event of a fault, the malfunction indicator light or automatic transmission warning light illuminates. The transmission no longer shifts automatically nor manually because it is locked in a certain gear.

Have the cause of the fault remedied by a workshop.

Interruption of power supply

In the event of an interruption of power supply, the selector lever cannot be moved out of the P position.

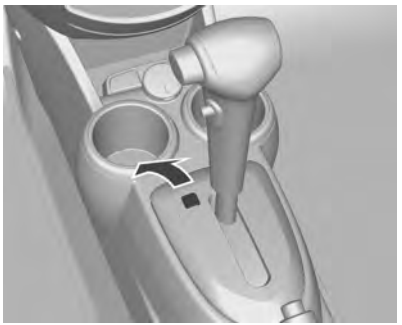
If the battery is discharged, start the vehicle using jump leads.

If the battery is not the cause of the fault, release selector lever and remove ignition key from ignition lock.

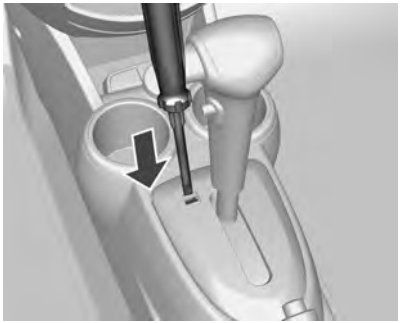
Release selector lever

Your vehicle has a Brake-Transmission Shift Interlock (BTSI) system. Before shifting from park (P), the ignition must be ON and you must depress the brake pedal all the way down. If you cannot shift out of P with the ignition ON and the brake pedal depressed:

1. Turn the ignition off
2. Depress and hold the brake pedal and pull the parking brake lever up.



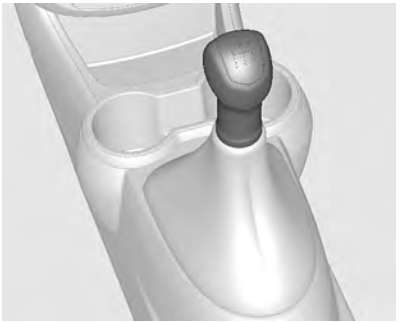
3. Open cover.



4. Insert a screwdriver into the opening as far as it will go and move the selector lever out of P. Start the engine and shift into the gear you want.

   If P is engaged again, the selector lever will be locked in position again.
5. Close cover.
6. Have your vehicle repaired as soon as possible.

Manual transmission



If the gear does not engage, set the lever in neutral, release the clutch pedal and depress again; then repeat gear selection.

Do not grind the clutch unnecessarily. When operating, depress the clutch pedal completely. Do not use the pedal as a foot rest.

Caution
It is not advisable to drive with the hand resting on the selector lever.

Engine braking

For manual transmission, downshift to a lower gear in a sequential order.

⚠Warning

Do not downshift your manual transmission by two or more gear positions at a time.

This prevents damage to your transmission or loss of control and personal injuries.

Note

Use of engine compression during long mountainous descents may prolong the life of your brakes.

Brakes

The brake system comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is depressed firmly. Considerably more force is needed for this. The braking distance is extended. Seek the assistance of a workshop before continuing your journey.

Caution

If one of the circuits fail, the brake pedal must be pressed with greater pressure and the braking distance may be increased. Have the brake system checked and repaired by a workshop immediately. We recommend that you consult your authorized workshop.

If the brake pedal can be pressed further than normal, the brakes may be in need of repair.

Consult a workshop immediately. We recommend that you consult your authorized workshop.

Caution

Do not drive with your foot resting on the brake pedal. To do so will accelerate wear of the brake components. The brakes may also become overheated, resulting in longer braking distance and an unsafe condition.

⚠Warning

After driving through deep water, washing the vehicle, or using the brakes excessively when going down a steep hill, the brakes can

temporarily lose their stopping power. This may be due to wet brake components or overheating.

If your brakes temporarily lose their stopping power because of overheating: Shift to a lower gear when going down hills. Do not continuously apply the brakes.

If your brakes temporarily lose their power because of wet brake components, the following procedure will help restore their normal performance:

1. Check behind you for other vehicles.
2. Keep a safe forward speed with plenty of space to your rear and sides.
3. Gently apply the brakes until normal performance is restored.

Antilock brake system

Antilock brake system (ABS) prevents the wheels from locking.

ABS starts to regulate brake pressure as soon as a wheel shows a tendency to lock. The vehicle remains steerable, even during hard braking.

ABS control is made apparent through a pulse in the brake pedal and the noise of the regulation process.

For optimum braking, keep the brake pedal fully depressed throughout the braking process, despite the fact that the pedal is pulsating. Do not reduce the pressure on the pedal.

Do not decrease your power to depress the footbrake.

When you start the vehicle after the ignition is switched on, a mechanical sound can be heard once. This is normal and shows that the ABS is ready to operate.

Control indicator (ABS) ⇨ 65.

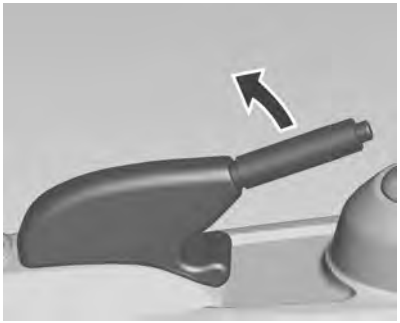
Fault

⚠ Warning

If there is a fault in the ABS, the wheels may be liable to lock due to braking that is heavier than normal. The advantages of ABS are no longer available. During hard braking, the vehicle can no longer be steered and may swerve.

Have the cause of the fault remedied by a workshop.

Parking brake



Always apply parking brake firmly without operating the release button, and apply as firmly as possible on a downhill or uphill slope.

To release the parking brake, pull the lever up slightly, press the release button and fully lower the lever.

To reduce the operating forces of the parking brake, depress the foot brake at the same time.

Control indicator (!)(P) ⇨ 64.

Brake assist

If the brake pedal is depressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required. Maximum brake force is automatically reduced when the brake pedal is released.

Ride control systems

Electronic Stability Control

Electronic Stability Control (ESC) improves driving stability when necessary, regardless of the type of road surface or tyre grip. It also prevents the driving wheels from spinning.

As soon as the vehicle starts to swerve (understeer/oversteer), the engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

ESC is operational as soon as the control indicator 🚘 extinguishes.

When ESC is active 🚘 flashes.

⚠Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator ⇨ 65.

Deactivation

For very high-performance driving ESC can be deactivated by pressing the button.

Control indicator illuminates.

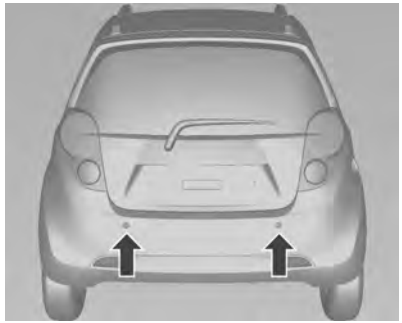
ESC is reactivated by pressing the button again.

ESC is also reactivated the next time the ignition is switched on.

When the ESC system is actively improving the stability of the vehicle, reduce speed and pay extra attention to the road condition. The ESC system is only a supplementary device for the vehicle. When the vehicle exceeds its physical limits, it can no longer be controlled. Therefore do not rely on this system. Keep driving safely.

Object detection systems

Parking assist



The parking assist system assists the driver during backward movement of the vehicle by chiming if any object is sensed behind the vehicle.

This system can be turned on automatically whenever the ignition switch is ON and the transaxle's selector lever is in **R**.

This system is deactivated when the vehicle's speed is greater than approximately 3 mph.

If the alarm sounds when shifting the gear to **R** position, this indicates normal condition.

At this time, you can figure out the distance between your vehicle and obstacles with the alarming sound.

However, do not confuse with the sound that continues when the obstacles are within 16 inches.

Caution

If the following happens, this indicates that there is a malfunction in the parking assist system. The alarm sounds 3 times continuosly when there are no obstacles around the rear bumper. Consult a workshop as soon as possible. We recommend your authorized workshop.

Alarm and sensing distance	Alarm sound
1st Alarm approx. 30~60 inches from the rear bumper	--beep--beep--
2nd Alarm approx. within 60 inches from the rear bumper	--beep beep beep beep
3rd Alarm approx. 8~16 inches from the rear bumper	Alarm stays on

Caution

The parking assist system should only be considered as a supplementary function. The driver must check the rear.

The audible warning signal can be different depending on the objects.

The audible warning signal might not activate in case the sensor is frozen or stained with dirt or mud.

Do not push or scratch the surface of the sensor. This will likely damage the covering.

There is a chance of malfunction of the parking assist system when driving on uneven surfaces such as woods, gravel roads, jagged roads or slopes.

The parking assist system might not recognize sharp objects, thick winter clothes or other thick and soft materials could absorb the frequency.

Caution

When receiving other ultrasonic signals (metal sound or air braking noises from heavy commercial vehicles), the parking assist system may not work properly.

Clean dirty sensors with a soft sponge and clean water.

Such objects may not be detected by the system at very close range (approximately 25 cm) and distance within approximately 1m.

You should continue to keep watching the mirrors or turning your head backwards. Normal precautions when reversing should be maintained. Do not press or shock the sensors by hitting or high-pressure water gun while washing, or the sensors will be damaged.

Caution

The upper portion of the vehicle can be hit before sensor operation, so check with outside rearview mirrors or by turning your head during parking.

The parking assist system will be operated correctly on vertically flat surfaces.

Fuel

Fuel for petrol engines

Only use unleaded fuel that complies with EN 228.

Equivalent standardised fuels with an ethanol content of max. 10% by volume may be used.

Use fuel with the recommended octane rating ⇨ 194. Use of fuel with too low an octane rating can reduce engine power and torque and slightly increases fuel consumption.

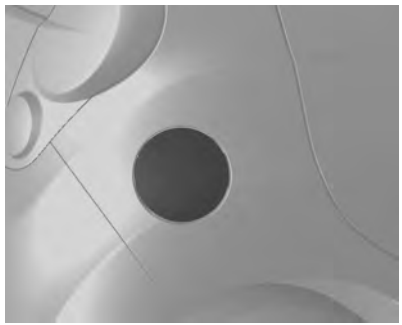
Caution

Use of fuel that does not comply to EN 228 or E DIN 51626-1 or equivalent can lead to deposits or engine damage and may affect your warranty.

Caution

Use of fuel with too low an octane rating could lead to uncontrolled combustion and engine damage.

Refuelling



Caution

If you use inappropriate grade fuel or put incorrect fuel additives into the fuel tank, the engine and catalytic converter may be seriously damaged.

Be sure to use the correct fuel (petrol or diesel) corresponding to your vehicle when refuelling. If you fill Diesel in your petrol powered vehicle, your vehicle can be seriously damaged.

For safety reasons, fuel containers, pumps and hoses must be properly earthed. Static electricity can ignite the gasoline vapor. You can be burned and your vehicle damaged.

⚠Danger

Before refuelling, switch off engine and any external heaters with combustion chambers. Switch off any mobile phones.

Electromagnetic waves or currency of mobile phones could ignite fuel vapors.

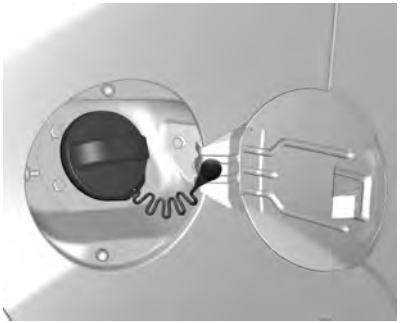
Fuel is flammable and explosive. No smoking. No naked flames or sparks. Follow the operating and safety instructions of the filling station when refuelling.

Remove static electricity on your hands by touching something able to release static electricity when touching or opening fuel cap or refuelling nozzle.

Don't do any actions generating static electricity like getting on and off vehicle when refuelling. Static electricity could ignite fuel vapors.

If you can smell fuel in your vehicle, have the cause of this remedied immediately by a workshop.

1. Stop the engine.
2. Pull up the fuel filler door release lever located on the floor, right front side of driver's seat.
3. Turn the fuel filler cap counterclockwise slowly. If a hissing sound is heard, wait for it to stop before completely unscrewing the cap. The fuel filler door is in the right rear quarter panel.



4. Remove the cap. The cap is tethered to the vehicle.
5. After refuelling, replace cap. Turn it clockwise until you hear several clicks.
6. Push the fuel filler door closed until it latches.

Note
If, in cold weather, the fuel filler door does not open, tap the door lightly. Then try to open it again.

Caution
Wipe off any overflowing fuel immediately.

Vehicle care

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General Information

Accessories and vehicle modifications

We recommend to use genuine Parts and Accessories and factory approved parts specific for your vehicle type. We cannot assess or guarantee reliability of other products - even if they have a regulatory or otherwise granted approval.

Do not make any modifications to the electrical system, e.g. changes of electronic control units (chip tuning).

Caution
Never modify your vehicle. It may affect the performance, durability and safety of the vehicle and the warrant may not cover any problems caused by the modification.

Vehicle storage

Storage for a long period of time

Following must be done if the vehicle should be stored for several months:

- Wash and wax the vehicle.
- Have the wax in the engine compartment and underbody checked.
- Fill up fuel tank completely.
- Clean and preserve rubber seals.
- Change engine oil.
- Drain washer fluid reservoir.
- Check coolant antifreeze and corrosion protection.
- Adjust tyre pressure to the value specified for full load.
- Park vehicle in dry, well ventilated place. Engage first or reverse gear. Prevent the vehicle from rolling.
- Do not apply the parking brake.
- Open bonnet, close all doors and lock the vehicle.

- Disconnect the clamp from the negative terminal of the vehicle battery. Beware that all systems are not functional, e.g. anti-theft alarm system.
- Close the bonnet.

Putting back into operation

When the vehicle is to be put back into operation:

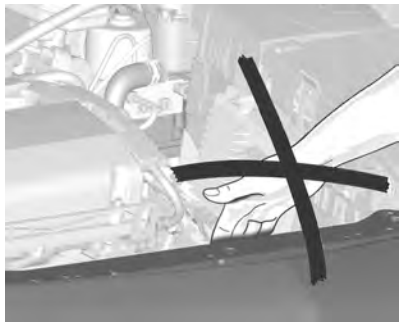
- Connect the clamp to the negative terminal of the vehicle battery. Activate the electronics of the power windows.
- Check tyre pressure.
- Fill up the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.
- Fit the number plate if necessary.

End-of-life vehicle recovery

Information on end-of-life vehicle recovery centres and the recycling of end-of-life vehicles is available on our website. Only entrust this work to an authorised recycling centre.

Vehicle checks

Performing work



⚠Warning

Only perform engine compartment checks when the ignition is off.

The cooling fan may start operating even if the ignition is off.

⚠Danger

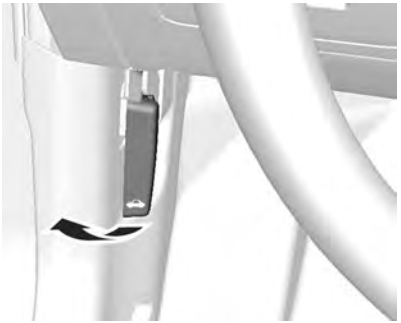
The ignition system uses extremely high voltage. Do not touch.

Bonnet

Opening

Type 1

Type 2

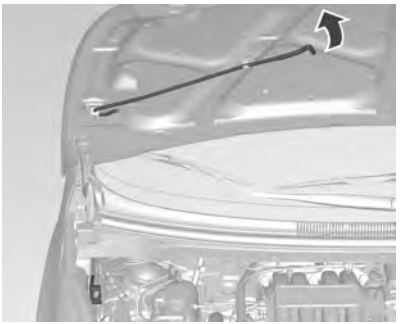


1. Pull the release lever and return it to its original position.

2. Push the safety catch up and open the bonnet.

⚠Warning

Only touch the foam padding of the bonnet support rod handle when the engine is hot.



3. Pull up the support rod lightly from the holder. And then secure it at the left side hook of the engine compartment.

Closing

Before closing the bonnet, press the support into the holder.

Lower the bonnet and allow it to drop into the catch. Check that the bonnet is engaged.

⚠Warning

Always observe the following precautions: Pull on the front edge of the bonnet to make sure it is latched securely before you drive your vehicle.

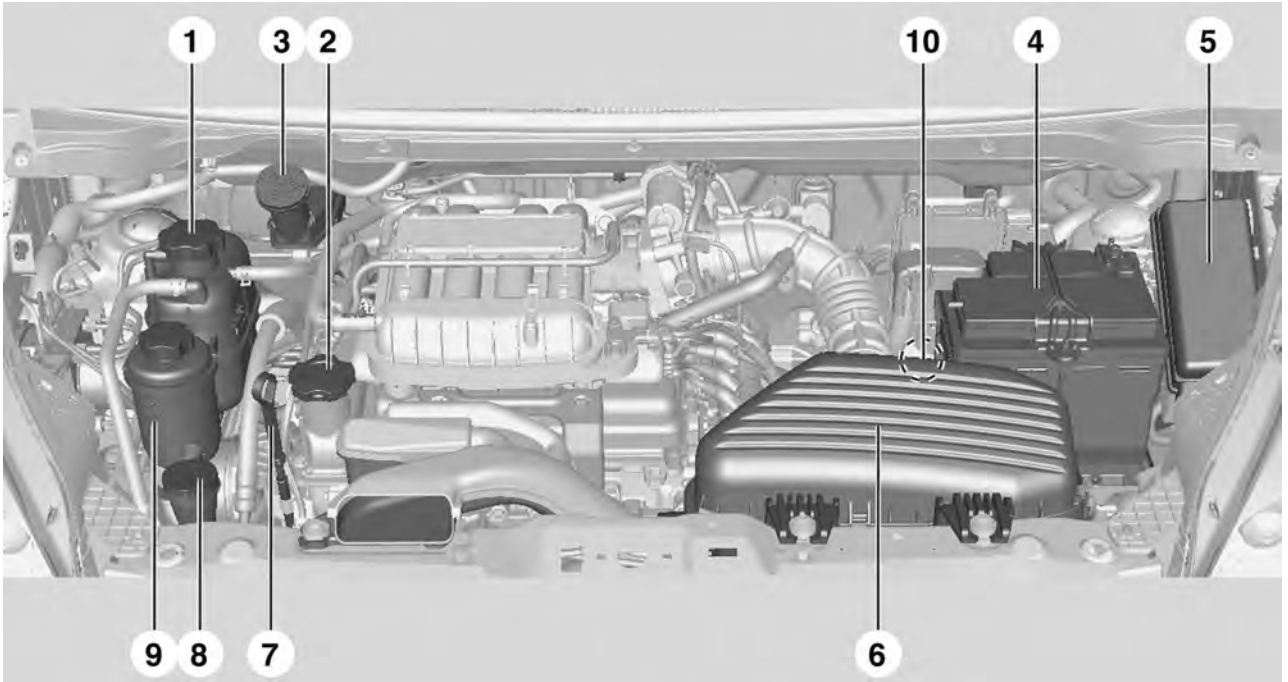
Do not pull the bonnet release handle while your vehicle is moving.

Do not move your vehicle with the bonnet open. An open bonnet will obscure the driver's vision.

Operating your vehicle with the bonnet open can lead to a collision resulting in damage to your vehicle to other property, personal injury or even death.

Engine compartment overview

Petrol engine



1. Engine coolant container
2. Engine oil cap
3. Brake fluid container
4. Battery
5. Fuse block
6. Engine air filter
7. Dipstick for engine oil level
8. Washer fluid container
9. Power steering fluid container
10. Automatic transmission fluid level dipstick

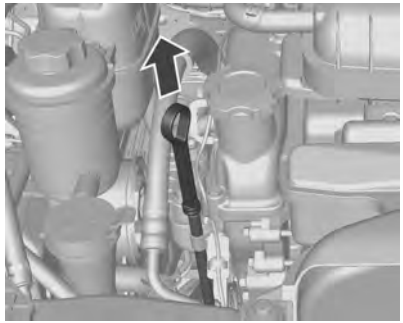
Engine oil

It is advisable to check the engine oil level manually before embarking on a long journey.

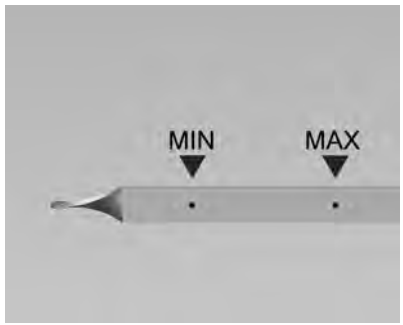
Check with the vehicle on a level surface. The engine must be at operating temperature and switched off for at least 5 minutes.

Pull out the dipstick, wipe it clean, insert it to the stop on the handle, pull out and read the engine oil level.

Insert dipstick to the stop on the handle and make half a turn.

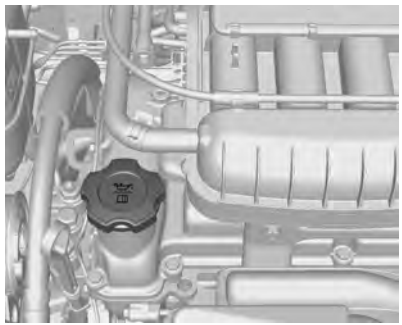


When the engine oil level has dropped to the **MIN** mark, top up engine oil.



We recommend the use of the same grade of engine oil that was used at last change.

The engine oil level must not exceed the **MAX** mark on the dipstick.



The engine oil filler cap is located on the camshaft cover.

Caution
Overfilled engine oil must be drained or suctioned out.

Capacities and Viscosity ⇨ 198, ⇨ 188.

⚠Warning

Engine oil is an irritant and, if ingested, can cause illness or death.

Keep out of reach of children.

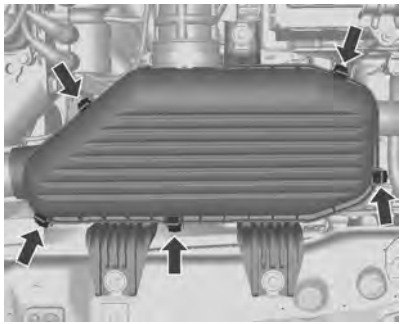
Avoid repeated or prolonged contact with skin.

Wash exposed areas with soap and water or hand cleaner.

Be very careful when draining the engine oil as it may be hot enough to burn you!

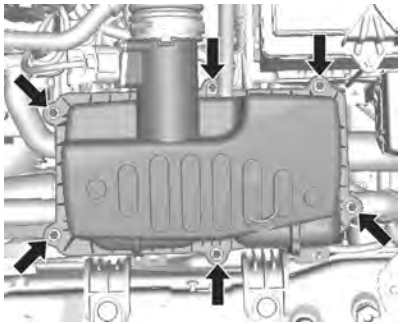
Engine air filter

Type 1



1. Loosen the air filter cover attaching clips and open the cover.
2. Replace the air filter.
3. Lock the cover with the cover attaching clips.

Type 2



1. Remove the screws and lift off the cover.
2. Inspect or replace the engine air cleaner/filter.
3. Put the cover back on tightly and tighten the screws.

Caution

The engine needs clean air to operate properly.

Do not operate your vehicle without the air filter element installed.

Driving without the air filter element properly installed can damage your engine.

Automatic transmission fluid

To ensure proper functioning, efficiency, and durability of the automatic transmission, be sure to keep the transmission fluid at the proper level. Too much or too little fluid can cause problems.

The fluid level must be checked with the engine running and the selector lever in P (Park). The vehicle must be up to normal operating temperature and parked on level ground.

The normal operating temperature for the fluid (70°C ~ 80°C) will be reached after driving.

Checking automatic transmission fluid level

If the fluid is contaminated or discolored after inspection, change the automatic transmission fluid.

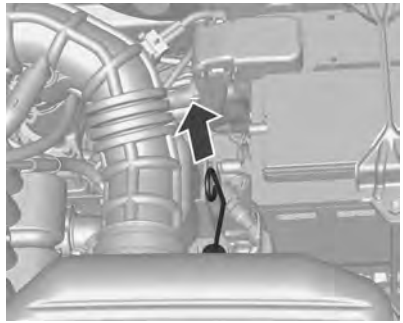
Use only the fluid specified in the fluid chart in this manual.

Decrease in the fluid level indicates a leak in the automatic transmission. If noted, consult a workshop to repair the problem as soon as possible. We recommend your authorised workshop.

Caution

Take care not to let dirt or foreign materials contaminate the transmission fluid.

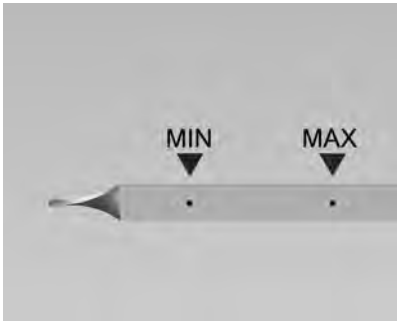
Contaminated fluid can cause a severe malfunction of the automatic transmission, leading to costly repairs.



1. Start the engine.
2. Warm up until the temperature of the automatic transmission fluid reaches approximately 70°C ~ 80°C .
3. Move the selector lever from "P" to "1" and return to "P". Wait a few seconds at each selected position until the selected gears are fully engaged.
4. Pull out the dipstick and wipe it clean.
5. Re-insert the dipstick completely. At this time, it should not contact with any other parts.

6. Pull the dipstick out again.
7. Check the oil on the dipstick to make sure it is not contaminated.

Caution
Re-insert the dipstick completely. At this time, it should not contact with any other parts.



8. Check the oil level. Oil should be between MIN and MAX mark on the dipstick as shown in the illustration.
9. If the oil level is below MIN, add enough ATF to raise the oil level to MAX. Do not fill over MAX mark.

Caution
Too much fluid will decrease vehicle performance. Do not overfill the automatic transmission fluid. This can damage the transmission.

Engine coolant

In countries with moderate climate the coolant provides freeze protection down to approx. -35 °C.

In countries with cold climate the coolant provides freeze protection down to approx. -50 °C.

Maintain a sufficient concentration of anti-freeze.

Caution
Only use approved anti-freeze.

Coolant level

Caution
Too low a coolant level can cause engine damage.

If the cooling system is cold, the coolant level should be above the filling line mark. Top up if the level is low.

⚠Warning

Allow the engine to cool before opening the cap. Carefully open the cap, relieving the pressure slowly.

Fill up with a mixture of demineralised water and anti-freeze approved for the vehicle. Install the cap tightly. Have the anti-freeze concentration checked and have the cause of the coolant loss remedied by a workshop.

Note

If the coolant level falls below the line mark, refill the radiator with 50/50 mix of de-mineralized water and phosphate anti-freeze.

In order to protect your vehicle in extremely cold weather, use a mix of 40 percent water and 60 percent anti-freeze.

Caution

Plain water or the wrong mixture can damage the cooling system.

Do not use plain water, alcohol or methanol anti-freeze in coolant system.

The engine may overheat or even catch fire.

Caution

Coolant can be hazardous material.

Avoid repeated or prolonged contact with coolant.

Clean your skin and nails with soap and water after coming in contact with coolant.

Keep out of reach of children.

Coolant can irritate the skin and can cause illness or death if swallowed.

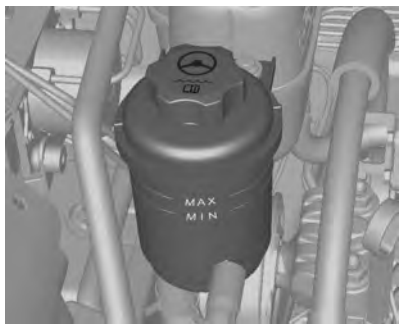
Caution

It is not needed to add coolant more frequently than the recommended interval.

If you are adding coolant often, this may be a sign that your engine needs maintenance.

We recommend that you consult your authorized workshop.

Power steering fluid



Open the cap and remove it.

The power steering fluid level must be between the **MIN** and the **MAX** marks.

Fill up if the level is low.

Caution

Extremely small amounts of contamination can cause steering system damage and cause it to not work properly. Do not allow contaminates to contact the fluid side of the reservoir cap/dipstick or from entering the reservoir.

Caution

Do not operate vehicle without the required amount of power steering fluid.

To do so can damage the power steering system of your vehicle, leading to costly repairs.

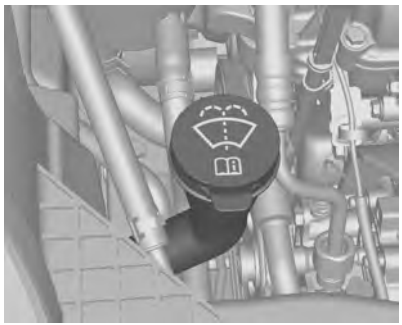
⚠Warning

An overflow of the fluid may cause the fluid to burn or discolour paintwork.

Do not overfill the reservoir.

An engine fire can cause personal injuries and damage your vehicle and other property.

Washer fluid



Fill with clean water mixed with a suitable quantity of washer fluid which contains antifreeze. For the correct mixing ratio refer to the washer fluid container.

Caution

Only washer fluid with a sufficient antifreeze concentration provides protection at low temperatures or a sudden drop in temperature.

To refill windscreen washer fluid reservoir:

- Use only commercially available ready-to-use washer fluid for that purpose.
- Do not use tap water. Minerals present in tap water may plug the windscreen washer lines.
- If air temperature is likely to go below the freezing point, use washer fluid which has sufficient anti-freezing property.

Brake fluid

⚠Warning

Brake fluid is poisonous and corrosive. Avoid contact with eyes, skin, fabrics and painted surfaces.

The brake fluid level must be between the **MIN** and the **MAX** marks.

When topping up, ensure maximum cleanliness as contamination of the brake fluid can lead to brake system malfunctions. Have the cause of the loss of brake fluid remedied by a workshop.

Only use brake fluid approved for the vehicle, Brake and clutch fluid ⇨ 188.

Caution

Make sure you thoroughly clean around the brake fluid reservoir cap before removing the cap.

Contamination of the brake fluid system can affect system performance, leading to costly repairs.

An overflow of brake fluid on the engine may cause the fluid to burn.

Do not overfill the reservoir.

An engine fire can cause personal injuries and damage your vehicle and other property.

Caution

Do not dispose of used brake fluid with your household waste.

Use your local, authorized waste management facility.

Used brake fluid and their containers are hazardous. They can damage your health and the environment.

Brake fluid is harsh and can irritate skin and eyes.

Do not allow the brake fluid to contact your skin or eyes. If it does, immediately wash the affected area thoroughly with soap and water, or hand cleaner.

Battery

The vehicle contains a lead-acid battery. The vehicle battery is maintenance-free provided that the driving profile allows sufficient charging of the battery. Short distance driving and frequent engine

starts can discharge the battery. Avoid the use of unnecessary electrical consumers.

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

Laying up the vehicle for more than 4 weeks can lead to battery discharge. Disconnect the clamp from the negative terminal of the vehicle battery.

Ensure the ignition is switched off before connecting or disconnecting the vehicle battery.

⚠Warning

Keep glowing materials away from the battery to avoid explosion. Battery explosion can result in damage to the vehicle and serious injury or death.

Avoid contact with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact. In case of skin contact, clean the area with water and seek medical help immediately.

Keep out of reach of children.

Do not tilt an open battery.

Battery discharge protection ⇨ 75.

Warning label

Meaning of symbols:

- No sparks, naked flames or smoking.
- Always shield eyes. Explosive gases can cause blindness or injury.
- Keep the battery out of reach of children.
- The battery contains sulphuric acid which could cause blindness or serious burn injuries.

- See the Owner's Manual for further information.
- Explosive gas may be present in the vicinity of the battery.

Wiper blade replacement

Lift wiper arm. Press release lever and detach wiper blade.

Properly functioning windscreen wipers are essential for clear vision and safe driving. Regularly check the condition of the wiper blades. Replace hard, brittle or cracked blades or those that smear dirt on the windscreen.

Foreign material on the windscreen or wiper blades can reduce the effectiveness of the wipers. If the blades are not wiping properly, clean both the windscreen and the blades with a good cleaner or mild detergent. Rinse them thoroughly with water.

Repeat the process, if necessary. There is no way to remove traces of silicone from glass. Therefore, never apply polish with silicone to your vehicle's windscreen or you will get streaks which will impair the driver's vision.

Do not use solvents, gasoline, kerosene, or paint thinner to clean wipers. These are harsh and can damage the blades and painted surfaces.

Bulb replacement

Switch off the ignition and switch off the relevant switch or close the doors.

Only hold a new bulb at the base! Do not touch the bulb glass with bare hands.

Use only the same bulb type for replacement.

Replace headlight bulbs from within the engine compartment.

Note

After driving in heavy rain or after washing, some exterior light lenses could appear frosty.

This condition is caused by the temperature difference between the inside and outside of the light.

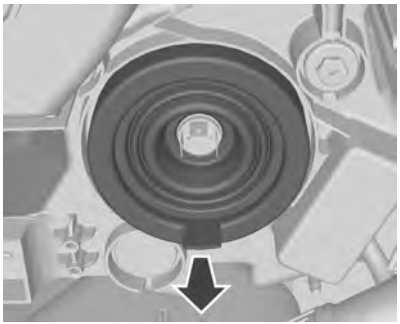
This is similar to the condensation on your windows inside your vehicle during the rain and doesn't indicate a problem with your vehicle.

If the water leaks into the light bulb circuitry, have the vehicle checked by your authorised workshop.

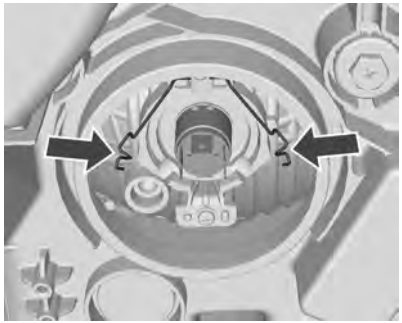
Headlights

Low beam and high beam

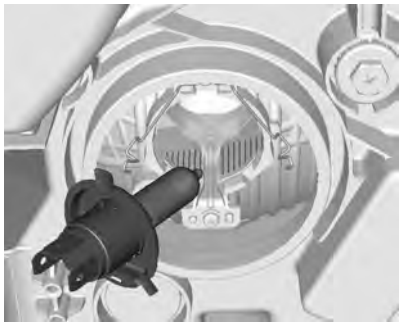
1. Detach plug connector from bulb.



2. Remove protective cover.



3. Press spring clip, disengage it.



4. Remove bulb from reflector housing.
5. When fitting a new bulb, engage the lugs in the recesses on the reflector.
6. Engage the spring clip.
7. Place headlight protective cover in position and close.
8. Plug connector onto bulb.

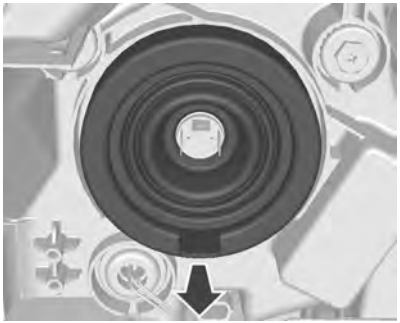
Headlight aiming

The low-beam headlight aiming can be adjusted with the screw located above the headlight.

Caution
If the headlights need to be re-aimed, it is recommended that the vehicle is taken to your authorised workshop for service, because it is related with safety.

Parking lights

1. Detach plug connector from bulb.



2. Remove protective cover.

3. Remove side light bulb holder from reflector.

4. Remove bulb from socket.
5. Insert new bulb.
6. Insert holder in reflector.
7. Place headlight protective cover in position and close.
8. Plug connector onto bulb.

Fog lights

Have bulbs replaced by a workshop.

Fog light aiming

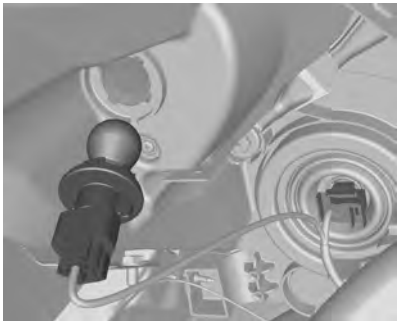
The fog light aiming can be adjusted with the screw located above the fog light.

Caution

If the fog lights need to be re-aimed, it is recommended that the vehicle is taken to your authorised workshop for service, because it is related with safety.

Front turn signal lights

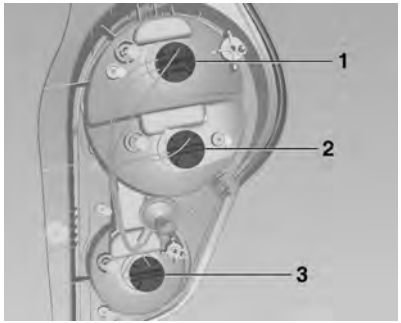
1. Rotate bulb holder anti-clockwise and disengage.



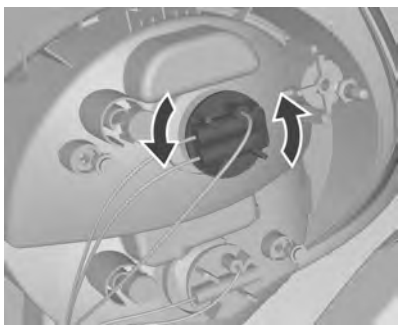
2. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.
3. Insert bulb holder in reflector, rotate clockwise to engage.

Tail lights

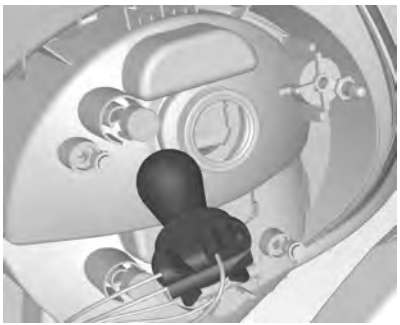
1. Unscrew both screws.
2. Remove tail light assembly. Take care that the cable duct remains in position.



3. Tail light/brake light (**1**)
   Turn signal light (**2**)
   Reverse light (passenger's side) / Rear fog light (Driver's side) (**3**)



4. Rotate bulb holder anti-clockwise.



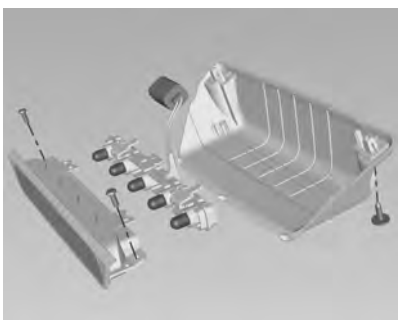
5. Remove bulb holder. Push bulb into socket slightly, rotate anti-clockwise, remove and renew bulb.
6. Insert bulb holder into the tail light assembly and screw into place. Connect wiring plug. Install tail light assembly in body and tighten screws. Close covers and engage.
7. Switch on ignition, operate and check all lights.

Side turn signal lights

1. Push light towards the back of the vehicle and remove.
2. Rotate bulb holder anti-clockwise.
3. Pull bulb out of the bulb holder and renew.
4. Reinstall in reverse order.

Centre high-mounted brake light

<Bulb type>

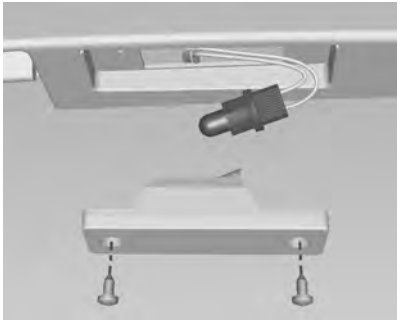


1. Open the tailgate.
2. Remove the two screws and the lamp housing. Disconnect the wiring harness connector before removing the lamp housing.
3. Remove the two screws and the reflector assembly.
4. Remove the bulb by pulling it straight out of the bulb holder.
5. Install a new bulb.
6. Reinstall the lamp housing.

<LED type>

Have bulbs replaced by a workshop.

Number plate light



1. Unscrew both screws.
2. Remove bulb housing downward, taking care not to pull on the cable.

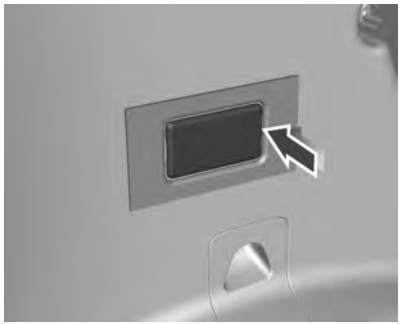
   Rotate bulb holder anti-clockwise to disengage.
3. Remove bulb from holder and renew bulb.
4. Insert bulb holder in bulb housing and rotate clockwise.
5. Insert bulb housing and secure using a screwdriver.

Interior lights

Courtesy lights

1. To remove it, prise the opposite side of the light switch using a flat-blade screwdriver. (Be careful not to make scratches.)
2. Remove the bulb.
3. Replace the bulb.
4. Reinstall the light assembly.

Load compartment light



1. Prise the lamp out with a screwdriver.

2. Remove bulb.
3. Insert new bulb.
4. Install lamp.

Electrical system

Fuses

Data on the replacement fuse must match the data on the defective fuse.

In a box above the positive terminal of the battery are some main fuses. If necessary have them changed by a workshop.

Before replacing a fuse, turn off the respective switch and the ignition.

A blown fuse can be recognised by its melted wire. Do not replace the fuse until the cause of the fault has been remedied.

Some functions are protected by several fuses.

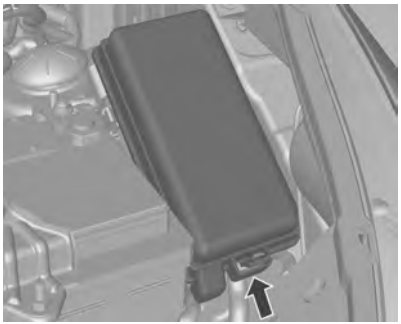
Fuses may also be inserted without existence of a function.

Fuse extractor

A fuse extractor may be located in the fuse box in the engine compartment.

Place the fuse extractor on the various types of fuse from the top or side and withdraw fuse.

Engine compartment fuse box



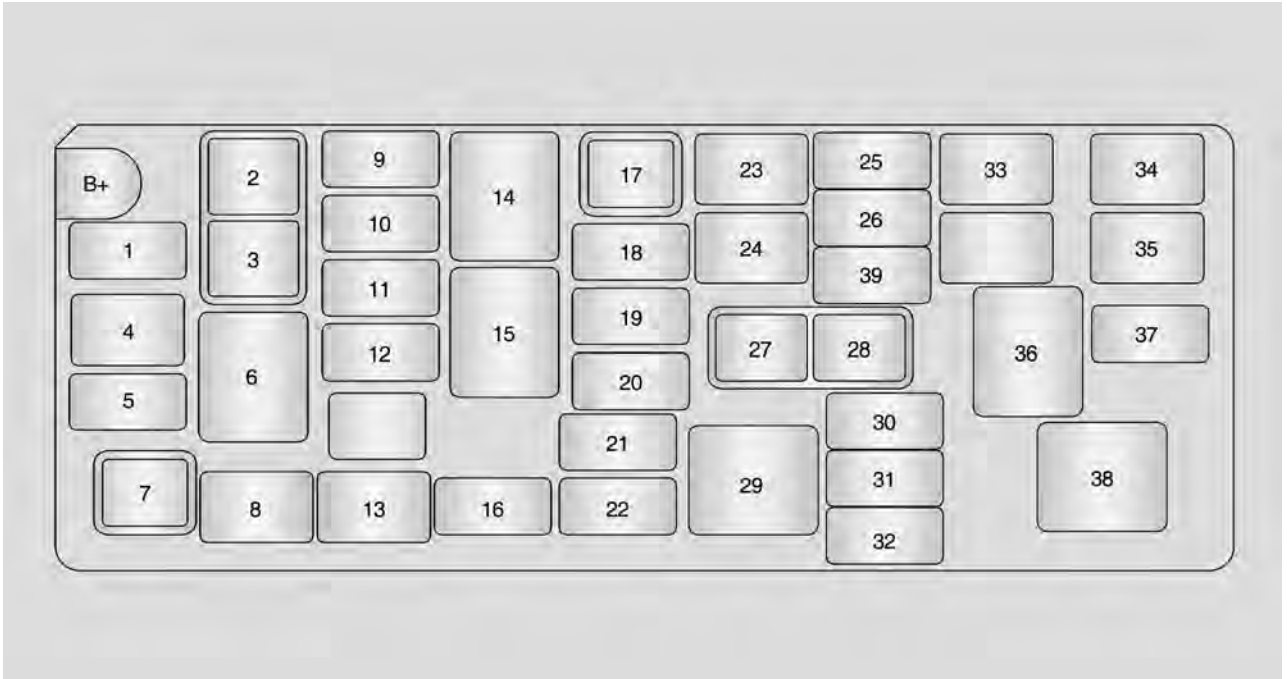
The fuse box is in the engine compartment.

Disengage the cover, lift it upwards and remove.

Note

Not all fuse box descriptions in this manual may apply to your vehicle.

When inspecting the fuse box, refer to the fuse box label.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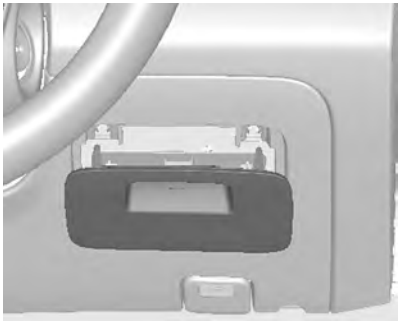
No.	Circuit
1	Fuel pump
2	Parking light relay
3	Fan low speed relay
4	Fan high speed
5	Air conditioning
6	Fan high speed relay
7	Air conditioning relay
8	ABS 2
9	Parking light LH
10	Parking light RH
11	Front fog light
12	Fan low speed
13	ABS 1
14	Front fog light relay
15	Fuel pump relay
16	Spare fuse
17	Headlight high beam relay
18	Headlight high beam
19	Headlight low beam LH
20	Headlight low beam RH
21	Spare fuse
22	Spare fuse
23	Ignition 2 / starter
24	Ignition 1 / accessory
25	Hazard warning flashers
26	Horn
27	Headlight low beam relay
28	Horn relay
29	Engine main relay
30	Ignition
31	EMS 1
32	EMS 2
33	Instrument panel battery
34	–
35	Heated seat
36	Heated seat relay
37	Engine control module
38	–
39	Spare fuse

Instrument panel fuse box

Type 1

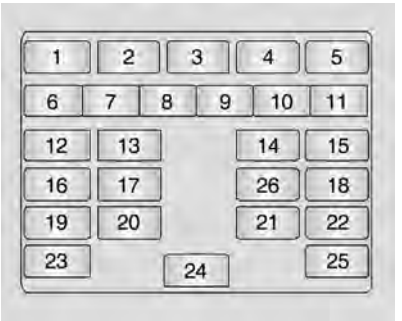
Type2

The interior fuse box is located on the underside of the driver's side instrument panel.



1. Open the fuse panel door by pulling out at the top.

2. Remove the fuse panel door diagonally.



No.	Circuit
1	Rear wiper
2	Mirror/outside rear view mirror
3	Headlight
4	Electric OSRVM
5	Door lock
6	Front wiper
7	–
8	Reverse lights
9	Turn signals

No.	Circuit
10	Rear defogger
11	Rear fog lights
12	Instrument cluster
13	Blower motor control module
14	Airbag
15	Theft deterrent / data link connector
16	Transmission control module
17	Rear power windows
18	Radio / remote keyless entry / remote entry
19	Engine control module (ECM) / theft deterrent
20	Front power windows
21	Cigarette lighter
22	Brake light
23	Starter
24	Radio / clock / remote keyless entry
25	SDM
26	–

Vehicle tools

Tools

Vehicles with tyre repair kit

The tools and tyre repair kit are in a storage compartment below the floor cover in the load compartment.

Vehicles with spare wheel

The jack and the tools are in a storage compartment in the load compartment above the spare wheel.

Compact spare wheel ⇨ 173.

Wheels and tyres

Tyre condition, wheel condition

Drive over edges slowly and at right angles if possible. Driving over sharp edges can cause tyre and wheel damage. Do not trap tyres on the kerb when parking.

Regularly check the wheels for damage. Seek the assistance of a workshop in the event of damage or unusual wear.

Winter tyres

Winter tyres improve driving safety at temperatures below 7 °C and should therefore be fitted on all wheels.

Tyre designations

E.g. **215/60 R 16 95 H**

215 = Tyre width, mm
60 = Cross-section ratio (tyre height to tyre width), %
R = Belt type: Radial
RF = Type: RunFlat
16 = Wheel diameter, inches
95 = Load index e.g. 95 is equivalent to 690 kg
H = Speed code letter

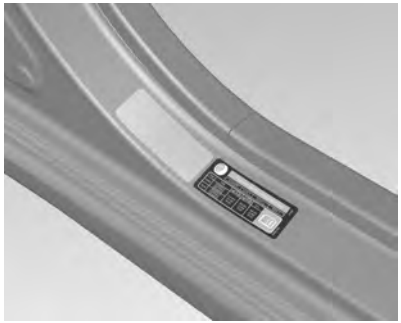
Speed code letter:

Q = up to 100 mph
S = up to 112 mph
T = up to 118 mph
H = up to 130 mph
V = up to 150 mph
W = up to 168 mph

Tyre pressure

Check the pressure of cold tyres at least every 14 days and before any long journey. Do not forget the spare wheel.

Unscrew the valve cap.



Tyre pressure ⇨ 199 and on the label on the driver's door frame.

The tyre pressure data refers to cold tyres. It applies to summer and winter tyres.

Always inflate the spare tyre to the pressure specified for full load.

The ECO tyre pressure serves to achieve the smallest amount of fuel consumption possible.

Incorrect tyre pressures will impair safety, vehicle handling, comfort and fuel economy and will increase tyre wear.

⚠Warning

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blow-out at high speeds.

Tread depth

Check tread depth at regular intervals.

Tyres should be replaced for safety reasons at a tread depth of 2-3 mm (4 mm for winter tyres).

For safety reasons it is recommended that the tread depth of the wheels on one axle should not vary by more than 2 mm.

The legally permissible minimum tread depth (1.6 mm) has been reached when the tread has worn down as far as one of the tread wear indicators (TWI). Their position is indicated by markings on the sidewall.

If there is more wear at the front than the rear, swap round front wheels and rear wheels. Ensure that the direction of rotation of the wheels is the same as before.

Tyres age, even if they are not used. We recommend tyre replacement every 6 years.

Changing tyre and wheel size

If tyres of a different size than those fitted at the factory are used, it may be necessary to reprogram the speedometer as well as the nominal tyre pressure and make other vehicle modifications.

After converting to a different tyre size, have the label with tyre pressures replaced.

⚠Warning

Use of unsuitable tyres or wheels may lead to accidents and will invalidate the vehicle type approval.

⚠Warning

Do not use different size and type of tyres and wheels than those originally installed on the vehicle. It can affect safety and performance of the vehicle. It

could lead to handling failure or rollover and serious injury. When replacing tyres, be sure to install all four tyres and wheels of the same size, type, tread, brand and load-carrying capacity. The use of any other tyre size or type may seriously affect ride, handling, ground clearance, stopping distance, body clearance and speedometer reliability.

Wheel covers

Wheel covers and tyres that are factory approved for the respective vehicle and comply with all of the relevant wheel and tyre combination requirements must be used.

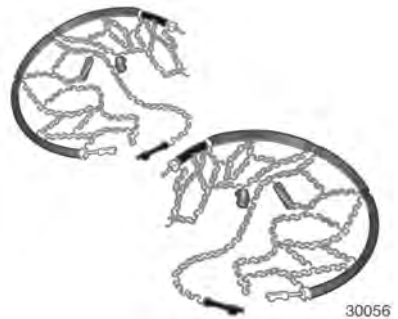
If the wheel covers and tyres used are not factory approved, the tyres must not have a rim protection ridge.

Wheel covers must not impair brake cooling.

⚠Warning

Use of unsuitable tyres or wheel covers could lead to sudden pressure loss and thereby accidents.

Tyre chains



Tyre chains are only permitted on the front wheels.

Always use fine mesh chains that add no more than 10 mm to the tyre tread and the inboard sides (including chain lock).

⚠Warning

Damage may lead to tyre blowout.

Tyre repair kit

Minor damage to the tyre tread or sidewall can be repaired with the tyre repair kit.

Do not remove foreign bodies from the tyres.

Tyre damage exceeding 4 mm or that is at tyre's side wall near the rim cannot be repaired with the tyre repair kit.

⚠Warning

Do not drive faster than 50 mph.

Do not use for a lengthy period.

Steering and handling may be affected.

If you have a flat tyre:

Apply the parking brake and engage first gear or reverse gear.

The tyre repair kit is in a compartment under the floor cover in the load compartment.

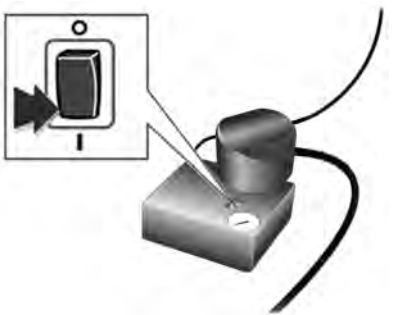
1. Take the tyre repair kit from the compartment.
2. Remove the compressor and the sealant bottle.

3. Remove the electrical connection cable and air hose from the stowage compartments on the underside of the compressor.

4. The switch on the compressor must be set to O.
5. Screw the compressor air hose to the connection on the sealant bottle.
6. Connect the compressor plug to the accessory socket. To avoid discharging the battery, we recommend running the engine.
7. Fit the sealant bottle into the retainer on the compressor.

   Set the compressor near the tyre in such a way that the sealant bottle is upright.

8. Unscrew valve cap from defective tyre.
9. Screw the filler hose to the tyre valve.



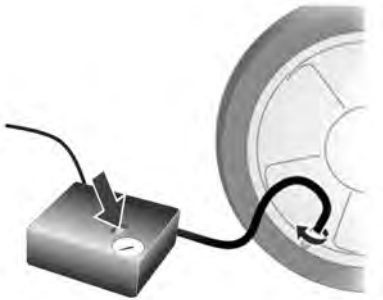
10. Set the rocker switch on the compressor to **I**. The tyre is filled with sealant.
11. The compressor pressure gauge briefly indicates up to 6 bar whilst the sealant bottle is emptying (approx. 30 seconds). Then the pressure starts to drop.
12. All of the sealant is pumped into the tyre. Then the tyre is inflated.
13. The prescribed tyre pressure (About 2.2 bar) should be obtained within 10 minutes. When the correct pressure is obtained, switch off the compressor.

    If the prescribed tyre pressure is not obtained within 10 minutes, remove the tyre repair kit. Move the vehicle one tyre rotation. Reattach the tyre repair kit and continue the filling procedure for 10 minutes. If the prescribed tyre pressure is still not obtained, the tyre is too badly damaged. Seek the assistance of a workshop. Drain excess tyre pressure with the button over the pressure indicator.

    Do not run the compressor longer than 10 minutes.
14. Detach the tyre repair kit. Push catch on bracket to remove sealant bottle from bracket. Screw tyre inflation hose to the free connection of sealant bottle. This prevents sealant from escaping. Stow tyre repair kit in load compartment.
15. Remove any excess sealant using a cloth.
16. Take the label indicating maximum permitted speed (approx. 50 mph) from the sealant bottle and affix in the driver's field of view.
17. Continue driving immediately so that sealant is evenly distributed in the tyre. After driving approx. 6 miles (but no more than 10 minutes), stop and check tyre pressure. Screw compressor air hose directly onto tyre valve and compressor when doing this.

    If tyre pressure is more than 1.3 bar, set it to the correct value (approx. 2.2 bar). Repeat the procedure (no.17) until there is no more loss of pressure.

    If the tyre pressure has fallen below 1.3 bar, the vehicle must not be used. Seek the assistance of a workshop.



18. Stow away tyre repair kit in load compartment.

Note
The driving comfort of the repaired tyre is severely affected, therefore have this tyre replaced.

If unusual noise is heard or the compressor becomes hot, turn compressor off for at least 30 minutes.

Note the expiry date of the kit. After this date its sealing capability is no longer guaranteed. Pay attention to storage information on sealant bottle.

Replace the used sealant bottle. Dispose of the bottle as prescribed by applicable laws.

The compressor and sealant can be used from approx. -30 °C ~70 °C.

Wheel changing

Mixing tyres could cause you to lose control while driving.

If you mix tyres of different sizes, brands, or types (radial and bias-belted tyres), the vehicle may not handle properly, and you could have a crash. Using tyres of different sizes, brands, or types may also cause damage to your vehicle. Be sure to use the correct size, brand, and type of tyres on all wheels.

Some vehicles are equipped with a tyre repair kit instead of a spare wheel ⇨ 168.

Make the following preparations and observe the following information:

- Pull over your vehicle to a safe place away from traffic.
- Park the vehicle on a level, firm and non-skid surface. The front wheels must be in the straight-ahead position.
- Apply the parking brake and engage first gear or reverse gear.
- Turn off the engine and remove key.
- Turn on the hazard warning flashers.
- Use a wedge, block of wood, or rocks in front of and behind the tyre that is diagonal from the tyre you plan to change.
- All passengers must get out of the vehicle.
- Remove the spare wheel ⇨ 173.
- Never change more than one wheel at once.
- Use the jack only to change wheels in case of puncture, not for seasonal winter or summer tyre change.
- No people or animals may be in the vehicle when it is jacked-up.
- Never crawl under a jacked-up vehicle.
- Do not start the vehicle when it is raised on the jack.
- Clean wheel nuts and thread before mounting the wheel.

⚠ Warning

We designed the jack for use on your vehicle only.

Do not use jack provided with your vehicle on other vehicles.

Never exceed the jack’s maximum permissible load.

Use of this jack on other vehicles may damage the other vehicles or your jack and lead to personal injury.

1. Disengage wheel nut caps with a screwdriver and remove.

2. Fold out the wheel wrench and install ensuring that it locates securely and loosen each wheel nut by half a turn.

3. Rotate the jack handle to raise the lift head slightly and place the jack vertically at the position marked with half circle.

4. Attach jack handle to the jack and attach wrench to the jack handle correctly.

   Then raise the jack to join the lift head at the jacking position firmly.

5. Rotate the wrench checking the correct position of jack until wheel is clear of the ground.
6. Unscrew the wheel nuts.
7. Change the wheel.
8. Screw on the wheel nuts.
9. Lower vehicle.
10. Install the wheel wrench ensuring that it locates securely and tighten each nut in a crosswise sequence. Tightening torque is 120 Nm.
11. Align the valve hole in the wheel cover with the tyre valve before installing.

    Install wheel nut caps.
12. Stow the replaced wheel and the vehicle tools. To prevent the rattling noise, turn screw head until the top and bottom of the jack are completely squeezed to the toolbox after returning the jack to its original position. At this time, make sure that jack has some clearance to any vehicle tool. Tools ⇨ 165.
13. Check the tyre pressure of the installed tyre and also the wheel nut torque as soon as possible.

Have the defective tyre renewed or repaired.

Spare wheel

Compact spare wheel

The spare wheel can be classified as a temporary spare wheel depending on the size compared to the other mounted wheels and country regulations.

The spare wheel has a steel rim.

Use of a spare wheel that is smaller than the other wheels or together with winter tyres could affect driveability. Have the defective tyre replaced as soon as possible.

The spare wheel is located in the load compartment beneath the floor covering. It is secured in the recess with a wing nut.

The spare wheel well is not designed for all permitted tyre sizes. If a wheel wider than the spare must be stowed in the spare wheel well after changing wheels, the floor cover can be placed on the projecting wheel.

Caution

This spare wheel/tyre assembly is for temporary emergency use only.

Replace with regular wheel/tyre assembly as soon as possible.

Do not use tyre chains.

Do not install any tyre on this wheel which is not identical to the original.

Do not install on other vehicles.

Temporary spare wheel

Use of the temporary spare wheel could affect driveability. Have the defective tyre renewed or repaired as soon as possible.

Only mount one temporary spare wheel. Do not drive faster than 50 mph. Take curves slowly. Do not use for a long period of time.

Tyre chains ⇨ 168.

Directional tyres

Fit directional tyres such that they roll in the direction of travel. The rolling direction is indicated by a symbol (e.g. an arrow) on the sidewall.

The following applies to tyres fitted opposing the rolling direction:

- Driveability may be affected. Have the defective tyre renewed or repaired as soon as possible.
- Do not drive faster than 50 mph.
- Drive particularly carefully on wet and snow-covered road surfaces.

Jump starting

Do not start with quick charger.

A vehicle with a discharged battery can be started using jump leads and the battery of another vehicle.

⚠Warning

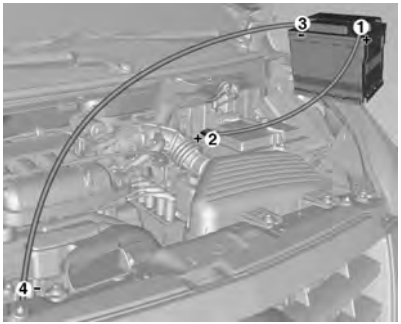
Be extremely careful when starting with jump leads. Any deviation from the following instructions can lead to injuries or damage caused by battery explosion or damage to the electrical systems of both vehicles.

⚠Warning

Avoid contact of the battery with eyes, skin, fabrics and painted surfaces. The fluid contains sulphuric acid which can cause injuries and damage in the event of direct contact.

- Never expose the battery to naked flames or sparks.

- A discharged battery can already freeze at a temperature of 0 °C. Defrost the frozen battery before connecting jump leads.
- Wear eye protection and protective clothing when handling a battery.
- Use a booster battery with the same voltage (12 Volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jump leads with insulated terminals and a cross section of at least 16 mm^2.
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical consumers.
- Do not lean over the battery during jump starting.
- Do not allow the terminals of one lead to touch those of the other lead.
- The vehicles must not come into contact with each other during the jump starting process.
- Apply the parking brake, transmission in neutral, automatic transmission in P.



Lead connection order:

1. Connect the red lead to the positive terminal of the booster battery.
2. Connect the other end of the red lead to the positive terminal of the discharged battery.
3. Connect the black lead to the negative terminal of the booster battery.
4. Connect the other end of the black lead to a vehicle grounding point, such as the engine block or an engine mounting bolt. Connect as far away from the discharged battery as possible, however at least 2 ft.

Route the leads so that they cannot catch on rotating parts in the engine compartment.

To start the engine:

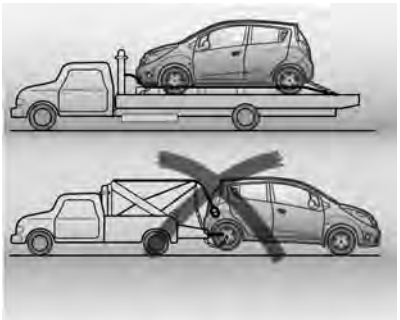
1. Start the engine of the vehicle providing the jump.
2. After 5 minutes, start the other engine. Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
3. Allow both engines to idle for approx. 3 minutes with the leads connected.

4. Switch on electrical consumers (e.g. headlights, heated rear window) of the vehicle receiving the jump start.
5. Reverse above sequence exactly when removing leads.

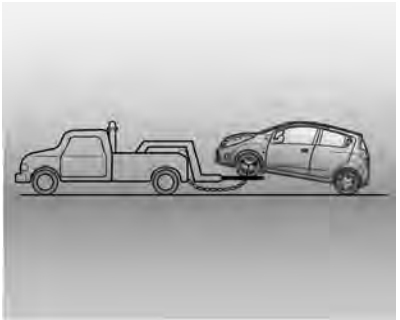
Towing

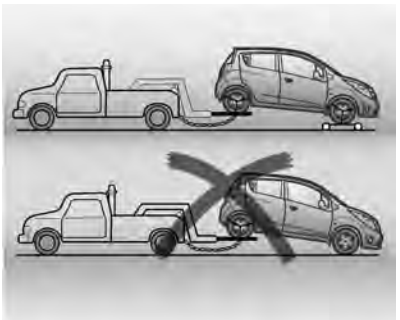
Towing the vehicle

If you need to have your vehicle towed, please use our service network or professional towing company.



The best method is to have the vehicle transported using a recovery vehicle.



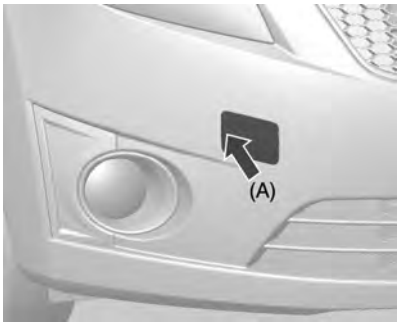


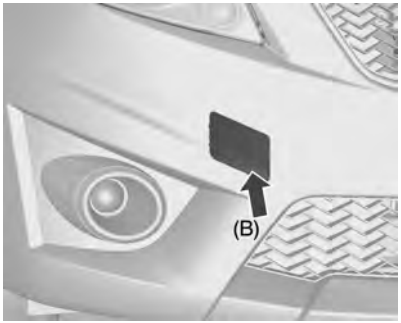
If towing by 2 wheels, lift the front driving wheels and tow with the front tires locked.

Please observe the following procedures when towing a vehicle:

- No passenger should remain in the vehicle being towed.
- Release the parking brake of the towed vehicle and place the transmission gear in neutral.
- Switch on the emergency warning lights.
- Keep the speed limits.

If it is not possible to have your vehicle towed a recovery vehicle, proceed as follows:





Disengage cap by pressing the arrow position (A - Base model / B - Special package model) and remove the cap.

The towing eye is stowed with the vehicle tools ⇨ 165.

Screw in the towing eye as far as it will go until it stops in a horizontal position.

Attach a tow rope – or better still a tow rod – to the towing eye.

The towing eye must only be used for towing and not for recovering the vehicle.

Switch on ignition to release steering wheel lock and to permit operation of brake lights, horn and windscreen wiper.

Transmission in neutral.

Caution
Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

When the engine is not running, considerably more force is needed to brake and steer.

To prevent the entry of exhaust gases from the towing vehicle, switch on the air recirculation and close the windows.

Vehicle with automatic transmission: Do not tow the vehicle using tow eye. Towing with a tow rope could cause severe automatic transaxle damage. When towing vehicle with automatic transaxle, use flat bed or wheel lift equipment.

Vehicle with manual transmission: The vehicle must be towed facing forward, not faster than 55 mph. In all other cases and when the transmission is defective, the front axle must be raised off the ground.

Seek the assistance of a workshop.

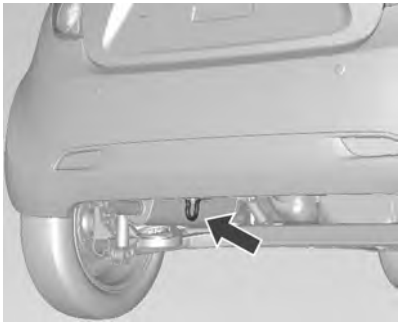
After towing, unscrew the towing eye.

A (Base model): Insert cap on left side and close cap.

B (Special package model): Insert cap at the bottom and close cap.

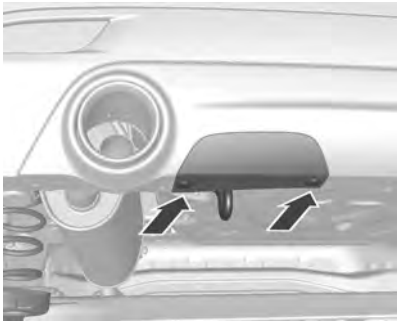
The best method is to have the vehicle transported using a recovery vehicle.

Towing another vehicle



The rear towing eye is located under the rear bumper.

The towing eye must only be used for towing and not for recovering a vehicle.



If your vehicle has a cover on the rear bumper in front of the rear towing eye, remove two clips from the cover. Disengage cover by pulling backward.

After towing, reinstall the cover firmly.

Caution
Drive slowly. Do not drive jerkily. Excessive tractive force can damage the vehicle.

Appearance care

Exterior care

Locks

The locks are lubricated at the factory using a high quality lock cylinder grease. Use de-icing agent only when absolutely necessary, as this has a degreasing effect and impairs lock function. After using de-icing agent, have the locks regreased by a workshop.

Washing

The paintwork of your vehicle is exposed to environmental influences. Wash and wax your vehicle regularly. When using automatic vehicle washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. The windscreen wipers and rear window wiper must be switched off. Lock the vehicle so that the fuel filler flap cannot be opened. Remove antenna and external accessories such as roof racks etc.

If you wash your vehicle by hand, make sure that the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Have the door hinges of all doors greased by a workshop.

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and leather-off the vehicle. Rinse leather frequently. Use separate leathers for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

Exterior lights

Headlight and other light covers are made of plastic. Do not use any abrasive or caustic agents, do not use an ice scraper, and do not clean them dry.

Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads). Otherwise, the paintwork will dry out.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

When cleaning the rear window, make sure the heating element inside is not damaged.

For mechanical removal of ice, use a sharp-edged ice scraper. Press the scraper firmly against the glass so that no dirt can get under it and scratch the glass.

Clean smearing wiper blades with a soft cloth and window cleaner.

Wheels and tyres

Do not use high-pressure jet cleaners.

Clean rims with a pH-neutral wheel cleaner.

Rims are painted and can be treated with the same agents as the body.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms. Have more extensive damage or rust areas repaired by a workshop.

Special package and body kit

- Be careful when towing to prevent damage by the tow rope. Remove cover in bumper before towing.
- Reduced ground clearance. Drive slowly over ramps, bumps or kerbs.
- Use support when lifting the vehicle.
- To prevent body damage and breakage, it is recommended to completely lift the vehicle onto a recovery vehicle when transporting the vehicle.

Underbody

Corrosive materials used for ice and snow removal or dust control can collect on the underbody of your vehicle. Failure to remove these materials can accelerate corrosion and rust.

Periodically use plain water to flush these materials from the underbody of your vehicle.

Take care to clean any areas in which mud and other debris can collect. Loosen any sediment packed in closed areas before flushing with water.

Decal applied vehicle

Please do not wash the car for 72 hours from delivery for the enough adhesion of decal.

When high pressure water or steam wand car wash, please make sure to spray water or steam onto decal keeping at least 8 inches distance from it and not to focus on one point more than 1 second. Otherwise, decal can be damaged.

Interior care

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clothing fabrics may not be colourfast. This could cause visible discolourations, especially on light-coloured upholstery. Removable stains and discolourations should be cleaned as soon as possible.

Clean seat belts with lukewarm water or interior cleaner.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high-pressure jet cleaners.

Service and maintenance

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Scheduled maintenance 183
Recommended fluids, lubricants and parts 188

General information

Service information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

Confirmations

Confirmation of service is recorded in the Service Guide.

The date and mileage is completed with the stamp and signature of the servicing workshop.

Make sure that the Service Guide is completed correctly as continuous proof of service is essential if any warranty or goodwill claims are to be met, and is also a benefit when selling the vehicle.

Scheduled maintenance
Service schedules

Maintenance interval
Every 1 year / 10,000 miles (whichever occurs first)

Maintenance I: Use Maintenance I for the first service or if Maintenance II was performed previously.

Maintenance II: Use Maintenance II if the previous service performed was Maintenance I.

Service operation	Maintenance I	Maintenance II
Replace engine oil and filter.[1)]	R	R
Inspect for any leaks or damage.[2)]	I	I
Inspect engine air filter.[3)]	I	I
Inspect tyres for inflation pressures and wear.	I	I
Inspect brake system.[4)]	I	I

1) If driving under severe conditions: short distance driving, extensive idling or driving in dusty condition, engine oil and the filter may require replacement more often.
2) Fluid loss in any vehicle system could indicate a problem. The system should be inspected and repaired and the fluid level checked. Add fluid if needed.
3) If driving regularly in dusty conditions, inspect the filter more frequently. The filter may require replacement more often.
4) Visually inspect brake lines and hoses for binding, leaks, cracks, chafing, etc. Inspect disc brake pads for wear and discs for surface condition. Inspect drum brake linings/shoes for wear or cracks. Inspect other brake parts, including drums, wheel cylinders, calipers, parking brake, etc.

Service operation	Maintenance I	Maintenance II
Inspect engine coolant and windshield washer fluid levels and add fluid as needed.	I	I
Inspect suspension and steering components.[5)]	I	I
Inspect wiper blades.[6)]	I	I
Inspect drive belts.	I	I
Perform any required additional services - see applicable section.	I	I
Check for field actions.	I	I
Replace brake fluid.[7)]	–	R
Inspect engine cooling system.[8)]	–	I
Inspect restraint system components.[9)]	–	I

5) Visually inspect front and rear suspension and steering system for damage, loose or missing parts or signs of wear. Inspect power steering components for binding, cracks, chafing, etc.

6) Inspect wiper blades for wear, cracking, or contamination. Clean the windshield and wiper blades, if contaminated. Replace wiper blades that are worn or damaged.

7) If driving under severe conditions: driving in hilly or mountainous terrain, or towing a trailer frequently, brake fluid may require replacement more often.

8) Visually inspect hoses and have them replaced if they are cracked, swollen, or deteriorated. Inspect all pipes, fittings, and clamps; replace with genuine parts if needed. To help ensure correct operation, a pressure test of the cooling system and pressure cap and cleaning the outside of the radiator and air conditioning condenser is recommended.

9) Make sure the safety belt reminder light and safety belt assemblies are working correctly. Look for any other loose or damaged safety belt system parts. If you see anything that might keep a safety belt system from doing its job, have it repaired. Ensure any torn or frayed safety belts are replaced.

Service operation	Maintenance I	Maintenance II
Inspect powertrain and driveline components.	–	I
Lubricate body components.[10)]	–	I

I: Inspect these items and their related parts. If necessary, correct, clean, replenish, adjust or replace.

R: Replace or change.

Service operation	Interval
Replace pollen filter.[3)]	Every 10,000 miles / 1 year
Replace air filter.	Every 40,000 miles / 4 year
Replace spark plugs.	Every 20,000 miles / 2 year
Replace ignition cable (on vehicles without Electronic Stability Control).	Every 30,000 miles / 3 year
Replace engine coolant.	Every 160,000 miles / 5 year
Replace manual transmission oil.	Every 100,000 miles / 10 years
Replace automatic transmission oil.	Inspect oil every 10,000 miles / 1 year. Replace every 50,000 miles for severe conditions.

10) Lubricate all key lock cylinders, door hinges and latches, hood hinges and latches, and trunk lid hinges and latches. More frequent lubrication may be required when exposed to a corrosive environment. Applying silicone grease on weatherstrips with a clean cloth will make them last longer, seal better, and not stick or squeak.

3) If driving regularly in dusty conditions, inspect the filter more frequently. The filter may require replacement more often.

Service operation	Interval
Replace auxiliary belt.	[11]
Replace timing chain.	Every 160,000 miles / 10 years
Inspect valve clearance, adjust if required.	Every 100,000 miles / 10 years
Inspect clutch & brake pedal free play	Every 10,000 miles / 1 year

[11] If the belt has been replaced, it must be inspected and tension must be adjusted within 6 months / 3,000 miles.

General maintenance items

Item	Service operation
All	Check all systems for interference or binding and for damaged or missing parts. Replace parts as needed. Replace any components that has excessive wear.
Automatic transmission	Change automatic transmission fluid and filter if the vehicle is mainly driven under one or more of these conditions: In heavy city traffic where the outside temperature regularly reaches 32 °C or higher. In hilly or mountainous terrain. When doing frequent trailer towing. Uses such as found in taxi, police, or delivery service.
Belts	Visually inspect belt for fraying, excessive cracks, or obvious damage. Replace belt if necessary.
Tyre condition & inflation pressure	Tyre condition should be inspected before driving and tyre pressure should be checked each time you fill your fuel tank or at least once a month using a tyre pressure gauge.
Wheel alignment	If necessary, rotate and balance wheels.

Additional servicing

Extreme operating conditions

Extreme operating conditions are given when at least one of the following occurs frequently:

- Repeated short-distance driving less than 5 miles.
- Extensive idling and/or slow-speed driving in stop-and-go traffic.
- Driving on dusty roads.
- Driving on hilly or mountainous terrain.
- Towing a trailer.
- Driving in heavy city traffic where the outside temperatures regularly reach 32 °C or higher.
- Driving as a taxi, police or delivery vehicle.
- Frequent driving when outside temperature remains below freezing.

Police vehicles, taxis and driving school vehicles are also classified as operating under extreme conditions.

Under extreme operating conditions, it may be necessary to have certain scheduled service work done more frequently than the scheduled intervals.

Seek technical advice on the servicing requirements dependent on the specific operating conditions.

Recommended fluids, lubricants and parts

Recommended fluids and lubricants

Only use products that have been tested and approved. Damage resulting from the use of non-approved materials will not be covered by the warranty.

⚠ Warning

Operating materials are hazardous and could be poisonous. Handle with care. Pay attention to information given on the containers.

Engine oil

Use only engine oil that is approved to the dexos™ specification or an equivalent engine oil of the appropriate viscosity grade.

If you are unsure whether your oil is approved to the dexos™ specification, ask your service provider.

Use of substitute engine oils if dexos is unavailable: In the event that dexos approved engine oil is not available at an oil change or for maintaining proper oil level, you may use substitute engine oil of the qualities mentioned below. Use of oils that do not meet the dexos specification, however, may result in reduced performance and engine damage under certain circumstances.

Engine oil is identified by its quality and its viscosity. Quality is more important than viscosity when selecting which engine oil to use.

Selecting the right engine oil

Selecting the right engine oil depends on both the proper oil specification and viscosity grade.

Engine oil specification

- **dexos1**, **dexos2**
- **API SM**, **ACEA-A3/B3**: Optional for Gen1 engine (not used for Gen2 engine)

Specification

Use and ask for licensed engine oils with the dexos™ approved certification mark. Engine oils meeting the requirements for the vehicle should have the dexos™ approved certification mark. This certification mark indicates that the oil has been approved to the dexos™ specification.

Your vehicle's engine was filled at the factory with dexos™ approved engine oil.

Use only engine oil that is approved to the dexos™ specification or an equivalent engine oil of the appropriate viscosity grade. Use of oils that do not meet the dexos specification, however, may result in reduced performance and engine damage under certain circumstances.

If you are unsure whether your oil is approved to the dexos™ specification, ask your service provider.

If you don't know vehicle engine type, ask your authorised repairer.

Engine oil viscosity

The SAE viscosity grade gives information of the thickness of the oil.

Multigrade oil is indicated by two figures:

The first figure, followed by a W, indicates low temperature viscosity and the second figure the high temperature viscosity.

The SAE viscosity rating defines the ability of an oil to flow. When cold, oil is more viscous than when hot.

Engine oil viscosity grade for 1.0D, 1.2D Gen1

SAE 5W-30 is the best viscosity grade for your vehicle. Do not use other viscosity grade oils such as SAE 20W-50.

Cold temperature operation for 1.0D, 1.2D Gen1

- Down to -25 °C and below: 0W-30, 0W-40
- Down to -25 °C: 5W-30, 5W-40
- Down to -20 °C: 10W-30, 10W-40

Engine oil viscosity grade for 1.2D Gen2

SAE 5W-20 is the best viscosity grade for your vehicle. Do not use other viscosity grade oils such as SAE 10W-30, 10W-40 or 20W-50.

Cold temperature operation for 1.2D Gen2

If operating your vehicle in an area of extreme cold, where the temperature falls below -25°C, a viscosity grade SAE 0W-xx should be used. An oil of this viscosity grade will provide easier cold starting for the engine at extremely low temperatures.

When selecting an oil of the appropriate viscosity grade be sure to always select an oil that meets the dexos™ specification.

- Down to -25°C and below: 0W-20, 0W-30.
- Down to -25°C: 5W-20, 5W-30.

Engine oil additives/engine oil flushes

Do not add anything to the oil. The recommended oils with the dexos specification and displaying the dexos certification mark are all that is needed for good performance and engine protection.

Engine oil system flushes are not recommended and could cause engine damage not covered by the vehicle warranty.

Topping up engine oil

Engine oils of different manufacturers and brands can be mixed as long as they comply with the required engine oil (specification and viscosity).

If engine oil of the required quality is not available, a maximum of 1 Litre of API SM/SN, ACEA A3/B4, ACEA A3/B3 or ACEA C3 quality may be used (only once between each oil change).

The viscosity should be of the correct rating.

Use of engine oil with only ACEA A1/B1 or only ACEA A5/B5 quality is prohibited, as it can cause long term engine damage under certain operating conditions.

Coolant and antifreeze

Use only organic acid type-long life coolant (LLC) antifreeze.

In countries with moderate climate the coolant provides freeze protection down to approx. -35 °C. In countries with cold climate the coolant provides freeze protection down to approx. -50 °C. This concentration should be maintained all year round.

Maintain a sufficient concentration of anti-freeze.

Coolant additives intended to give additional corrosion protection or seal against minor leaks can cause function problems. Liability for consequences resulting from the use of coolant additives will be rejected.

Brake fluid

Only use our authorized brake fluid for this vehicle (DOT 4).

Over time, brake fluid absorbs moisture which will reduce braking effectiveness. The brake fluid should therefore be replaced at the specified interval.

Brake fluid should be stored in a sealed container to avoid water absorption.

Ensure brake fluid does not become contaminated.

Caution
Using low quality brake fluid may cause corrosion to internal components of the brake system, which may result in decreased brake system performance, which is a safety concern. Always use high quality brake fluid approved for your vehicle model. We recommend GM genuine brake fluid.

Power steering fluid

Only use Dexron VI fluid.

Manual transmission fluid

Only use XGP SAE75W85W fluid.

Automatic transmission fluid

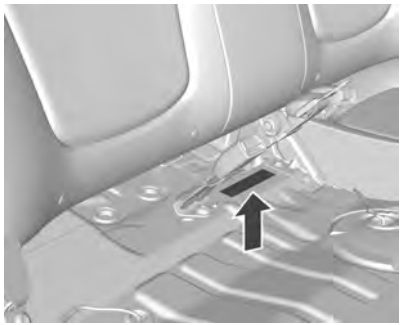
Only use ESSO JWS3317 fluid.

Technical data

Vehicle identification 192
Vehicle data 194

Vehicle identification

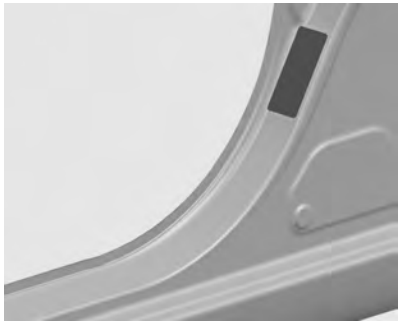
Vehicle Identification Number



The vehicle identification number is located under the rear seat cushion.

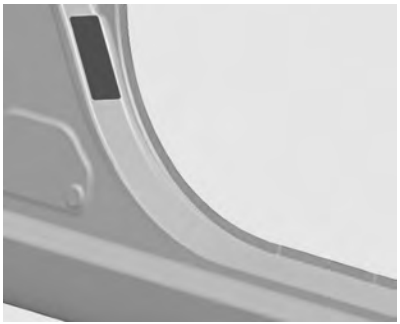
Identification plate

Type 1



The label is attached near the driver's door latch.

Type 2



The label is attached near the front passenger's door latch.

Vehicle data
Engine data

Sales designation	**1.0 Petrol**	**1.2 Petrol**
Engine	**1.0D**	**1.2D**
Engine identifier code	**LMT**	**LMU**
Number of cylinders	4	4
Piston displacement [cm^3]	995	1206
Engine power [kW]	50	60
at rpm	6400	6400
Torque [Nm]	93	111
at rpm	4800	4800
Fuel type	Petrol	Petrol
Octane rating RON		
recommended	**95**	**95**
possible	Over 95	Over 95

Performance

Engine	1.0D	1.2D
Top speed[1] [mph]		
Manual transmission	96	102

Fuel consumption - CO_2-emissions

Manual transmission without power steering / Manual transmission with power steering.

Engine	1.0D (Non-ESC)	1.0D (ESC)	1.2D (Non-ESC)	1.2D ESC)
urban [l/100 km]	6.2/6.6	–/6.6	6.3/6.6	–/6.6
extra-urban [l/100 km]	4.0/4.2	–/4.1	4.0/4.2	–/4.1
total [l/100 km]	4.8/5.1	–/5.0	4.9/5.1	–/5.0
CO_2 [g/km]	113/119	–/118	114/119	–/118

[1] The maximum speed indicated is achievable at kerb weight (without driver) plus 200 kg payload. Optional equipment could reduce the specified maximum speed of the vehicle.

Vehicle weight

Minimum kerb weight, with driver (75kg)

	Engine	Manual transmission without power steering	Manual transmission with power steering
[kg]	1.0D	932	939
	1.2D	932	939

Maximum kerb weight, with driver (75kg)

	Engine	Manual transmission without power steering	Manual transmission with power steering
[kg]	1.0D	1047	1065
	1.2D	1047	1065

Gross vehicle weight

	Engine	Manual transmission without power steering	Manual transmission with power steering
[kg]	1.0D	1347	1367
	1.2D	1347	1367

Vehicle dimensions

Length [mm]	3640
Width without exterior mirrors [mm]	1597
Width with two exterior mirrors [mm]	1910
Height (without antenna) [mm] without roof rack	1522
Height (without antenna) [mm] with roof rack	1551
Length of load compartment floor [mm]	548
Load compartment width [mm]	987
Load compartment height [mm]	435
Wheelbase [mm]	2375
Turning circle diameter [m]	9.9

Capacities

Engine oil

Engine	1.0 DOHC	1.2 DOHC
including Filter [l]	3.75	3.75
between MIN and MAX [l]	2.5/3.5	2.5/3.5

Fuel tank

Petrol, nominal capacity [l]	35

Tyre pressures

Engine	Tyres	Comfort with up to 3 people		ECO with up to 3 people		With full load	
		front	rear	front	rear	front	rear
		[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])	[kPa/bar] ([psi])
1.0D, 1.2D	155/80 R13, 155/70 R14, 165/60 R15 165/65 R14	220/2.2 (32)	220/2.2 (32)	240/2.4 (35)	240/2.4 (35)	235/2.35 (34)	235/2.35 (34)
All	Compact spare tire	420/4.2 (60)	420/4.2 (60)	-	-	420/4.2 (60)	420/4.2 (60)

Customer information

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Vehicle data recording and privacy

Event data recorders

Data storage modules in the vehicle

A large number of electronic components of your vehicle contain data storage modules temporarily or permanently storing technical data about the condition of the vehicle, events and errors. In general, this technical information documents the condition of parts, modules, systems or the environment:

- Operating conditions of system components (e.g. filling levels)
- Status messages of the vehicle and its single components (e.g. number of wheel revolutions / rotational speed, deceleration, lateral acceleration)
- Dysfunctions and defects in important system components
- Vehicle reactions in particular driving situations (e.g. inflation of an airbag, activation of the stability regulation system)
- Environmental conditions (e.g. temperature)

These data are exclusively technical and help identifying and correcting errors as well as optimizing vehicle functions.

Motion profiles indicating travelled routes cannot be created with these data.

If services are used (e.g. repair works, service processes, warranty cases, quality assurance), employees of the service network (manufacturer included) are able to read out this technical information from the event and error data storage modules applying special diagnostic devices. If required, you will receive further information at these workshops. After an error has been corrected, the data are deleted from the error storage module or they are constantly overwritten.

When using the vehicle, situations may occur in which these technical data related to other information (accident report, damages on the vehicle, witness statements etc.) may be associated with a specific person - possibly, with the assistance of an expert.

Additional functions contractually agreed upon with the client (e.g. vehicle location in emergency cases) allow the transmission of particular vehicle data from the vehicle.

Radio Frequency Identification (RFID)

RFID technology is used in some vehicles for functions such as tyre pressure monitoring and ignition system security. It is also used in connection with conveniences such as radio remote controls for door locking/unlocking and starting, and in-vehicle transmitters for garage door openers. RFID technology in Chevrolet vehicles does not use or record personal information or link with any other Chevrolet system containing personal information.

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